

FIG. 1A

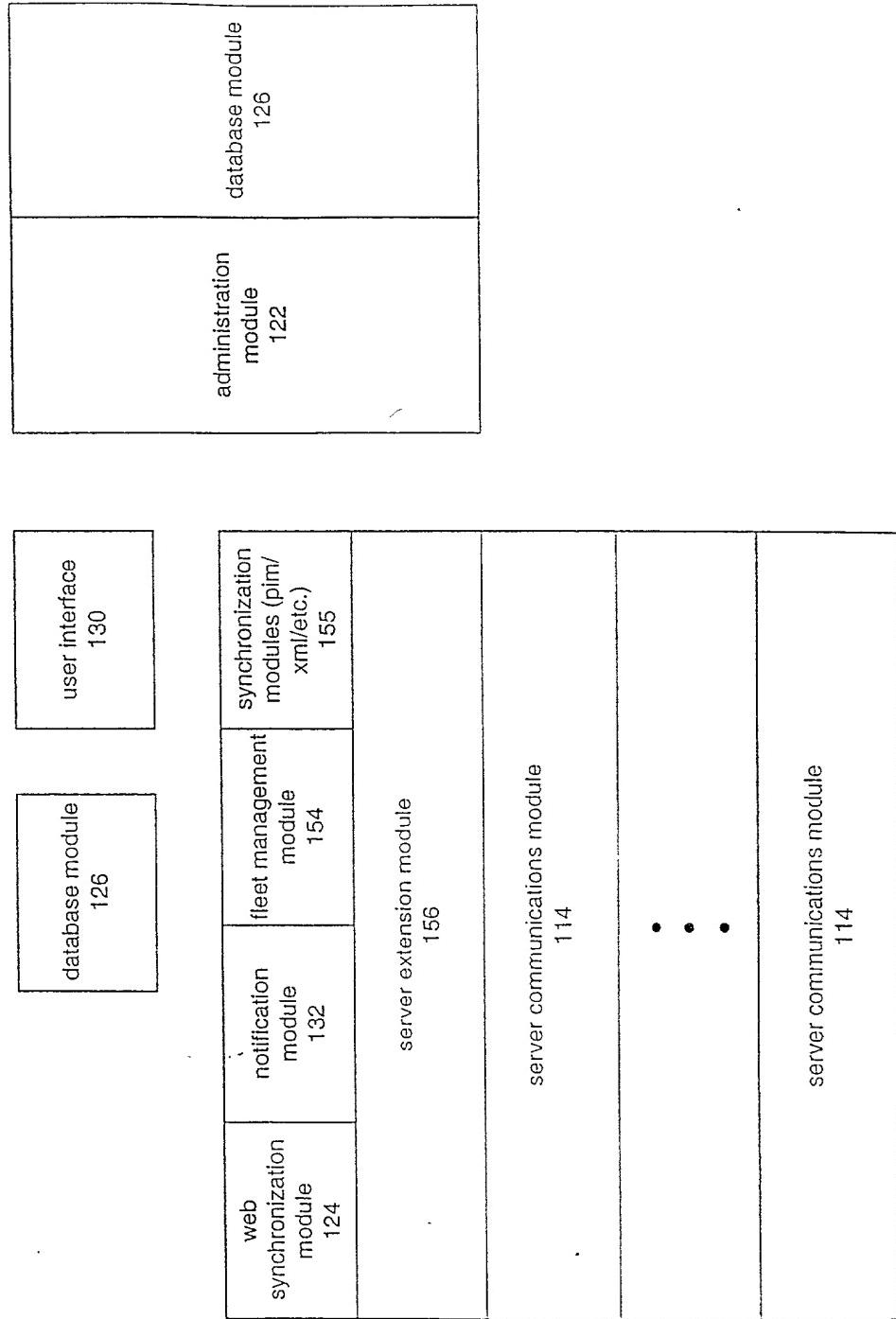


FIG. 1B

Data Processing Unit 103A

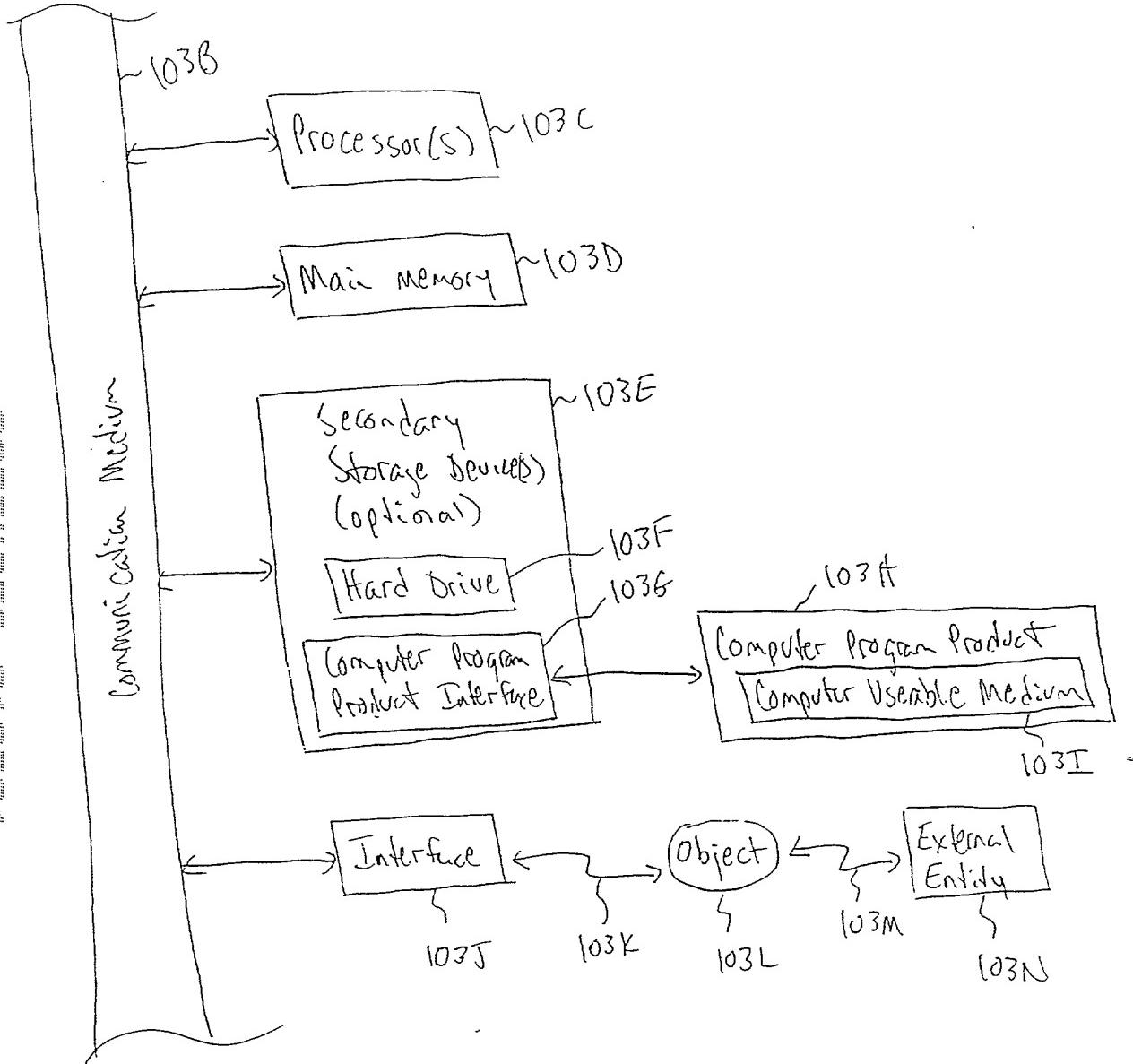


FIG. 1B1

Core Technology : Placing Internet/
Intranet Content on Mobile Devices

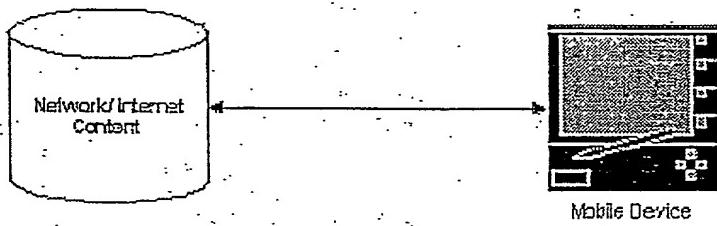


FIG. 1C

Mobile Device/Server Environment

Mobile Devices in a Client Server Environment

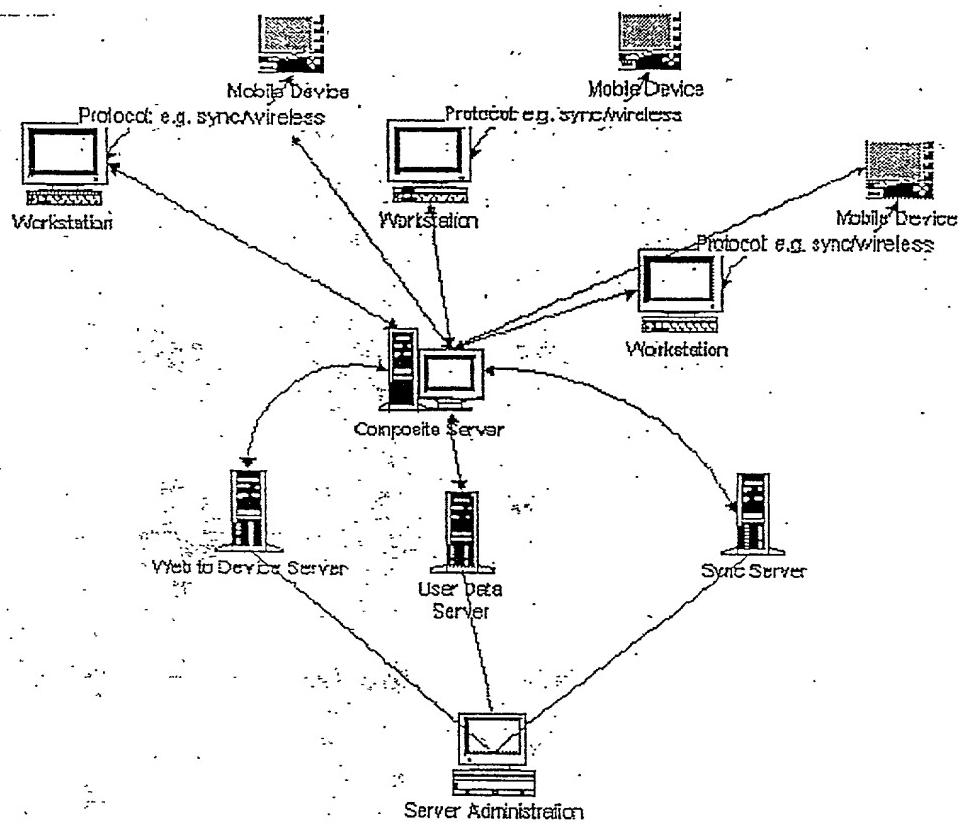


FIG. 1D

Downstream Protocol

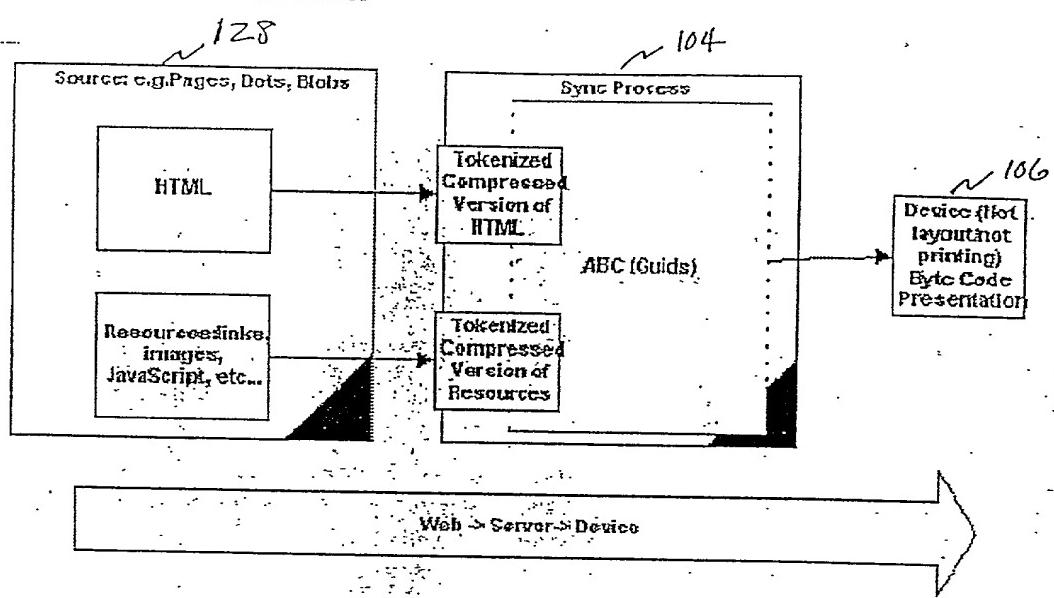


Fig. 1E

One Up/One Down Sync

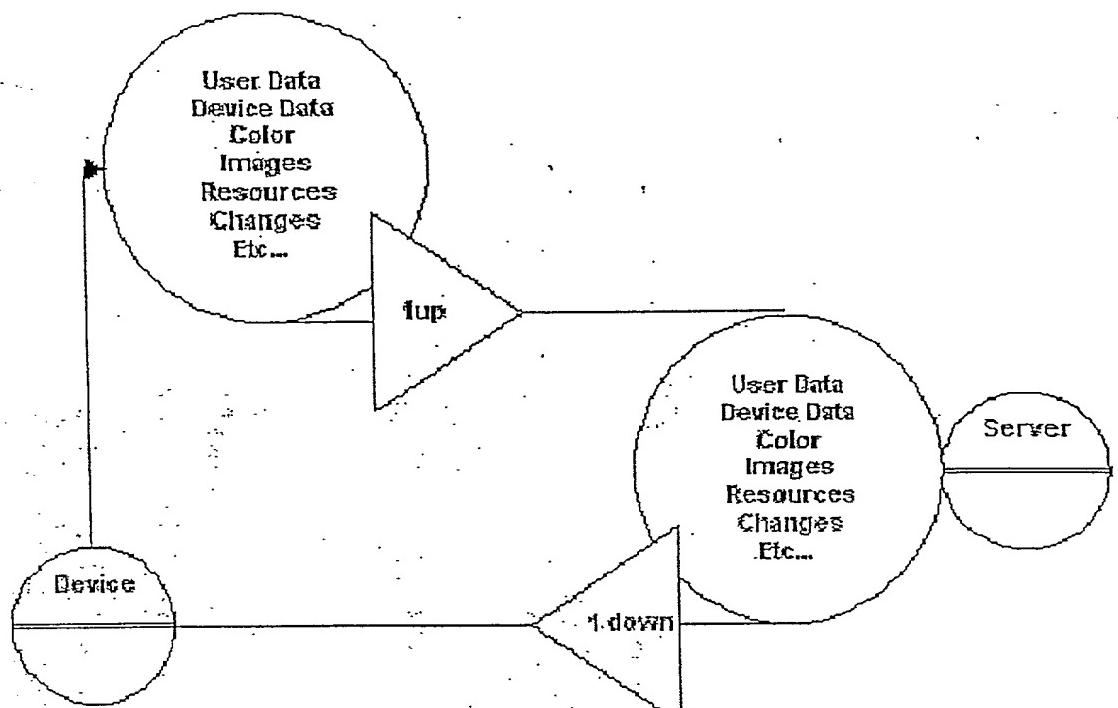


FIG. 1F

Sync Process

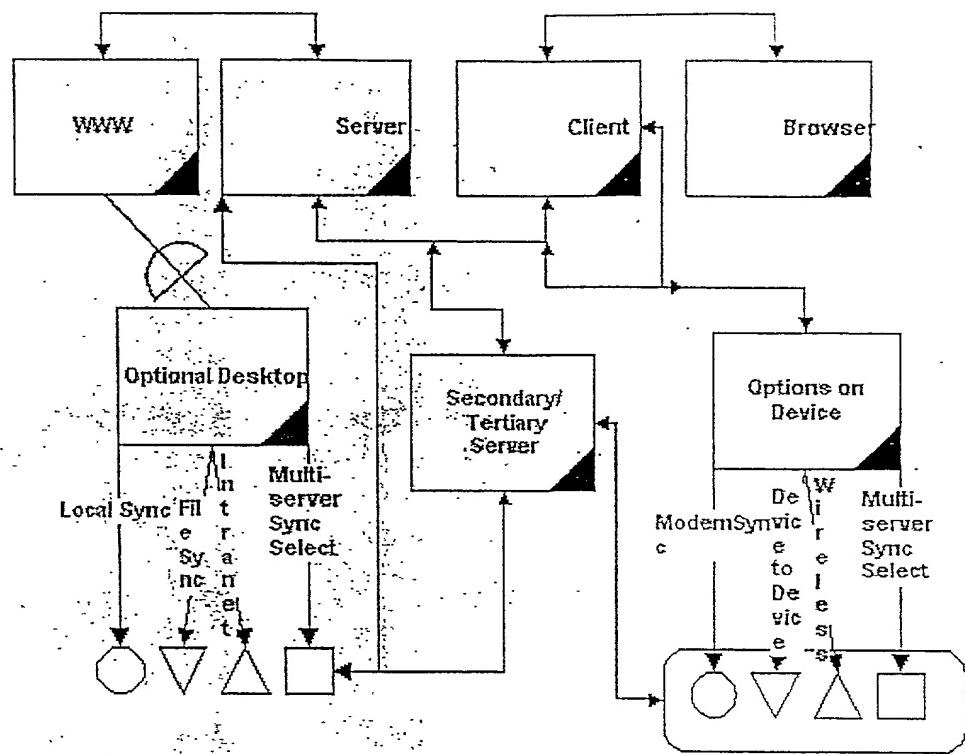


FIG. 1G

Granular Variable Protocol

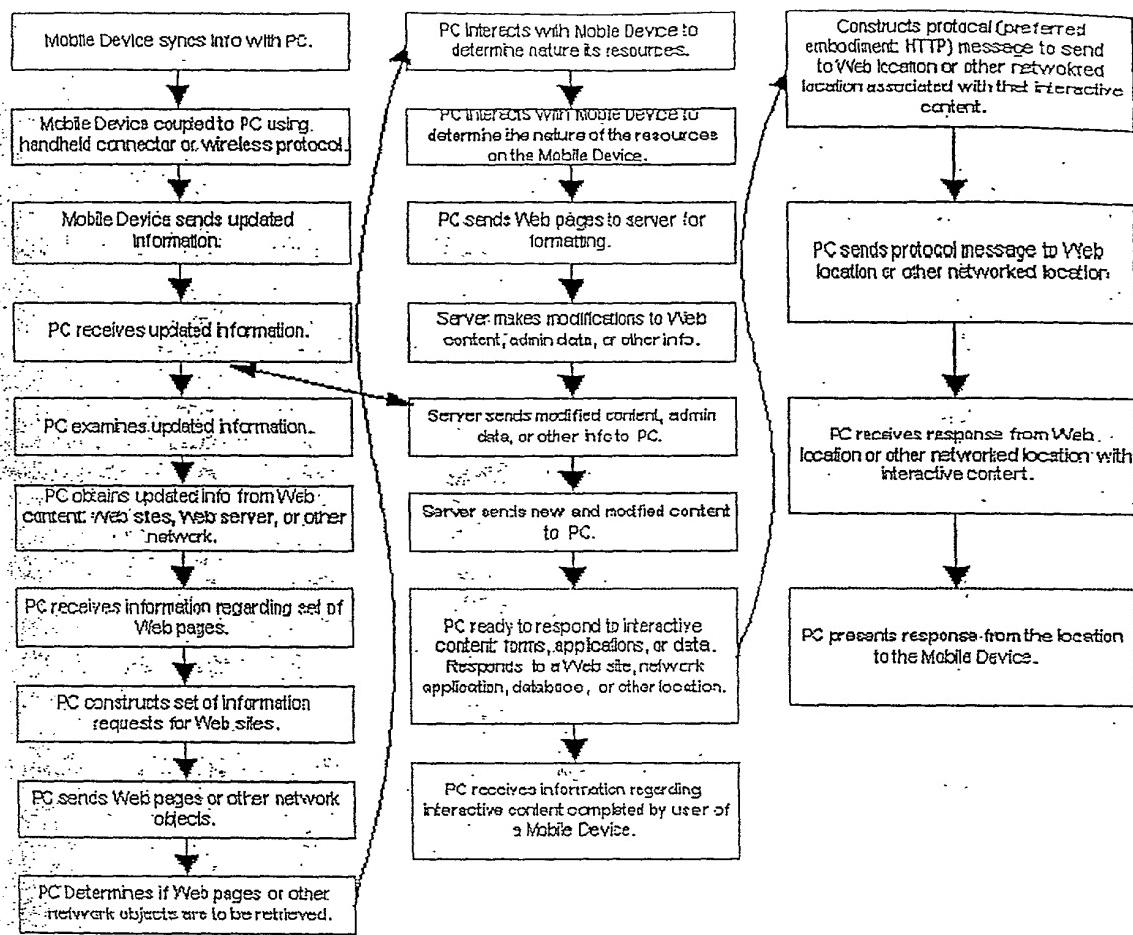


FIG. 1H.

Optimization: An Example

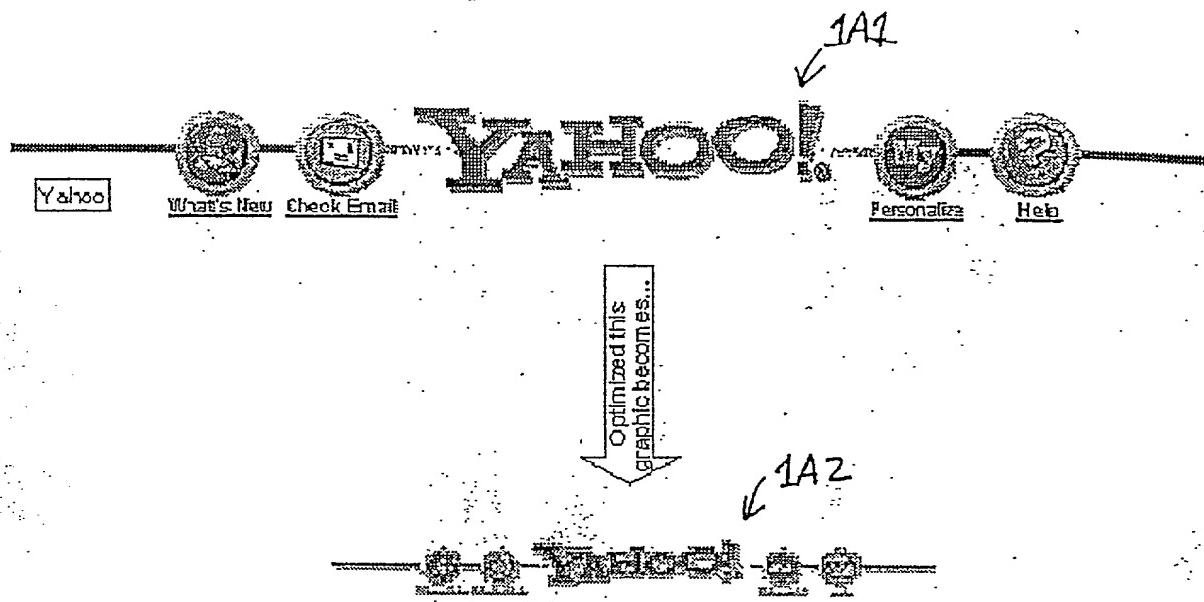


FIG. 1I

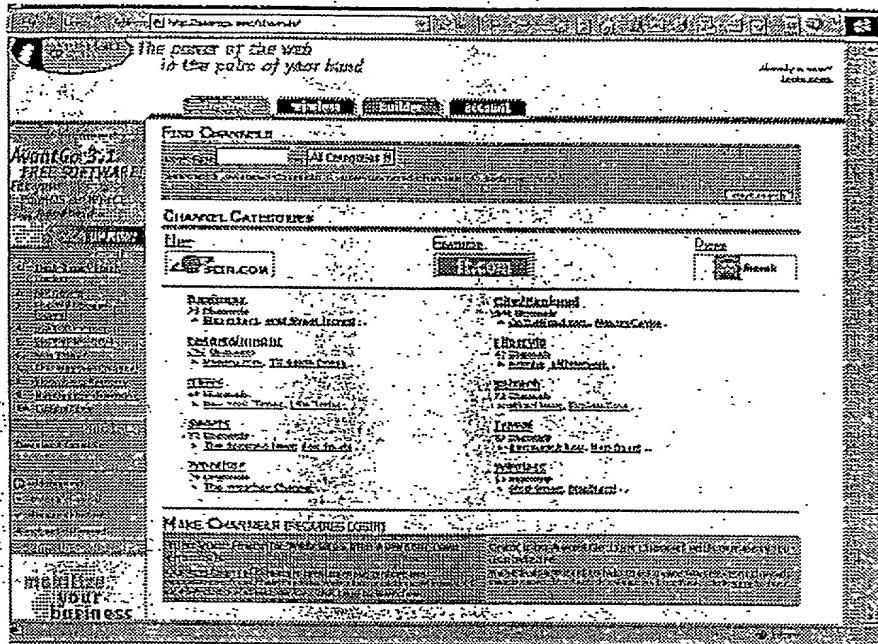


FIG. 1 J

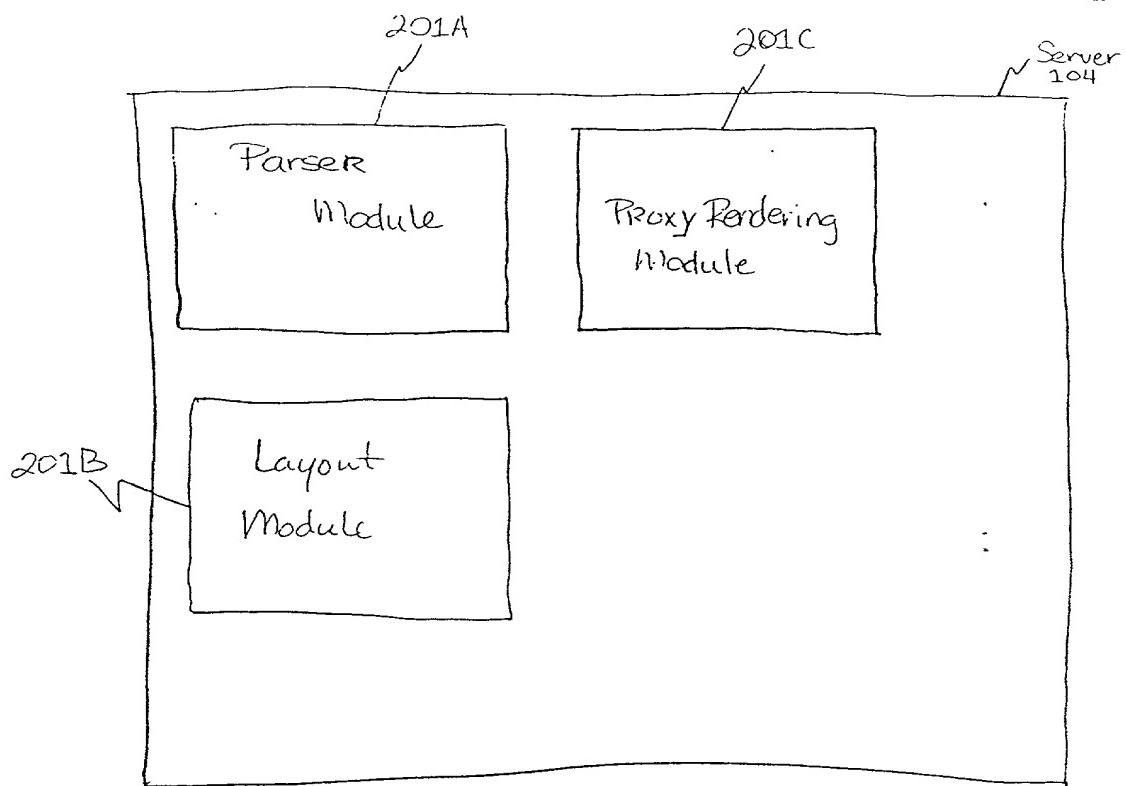


FIG. 2A

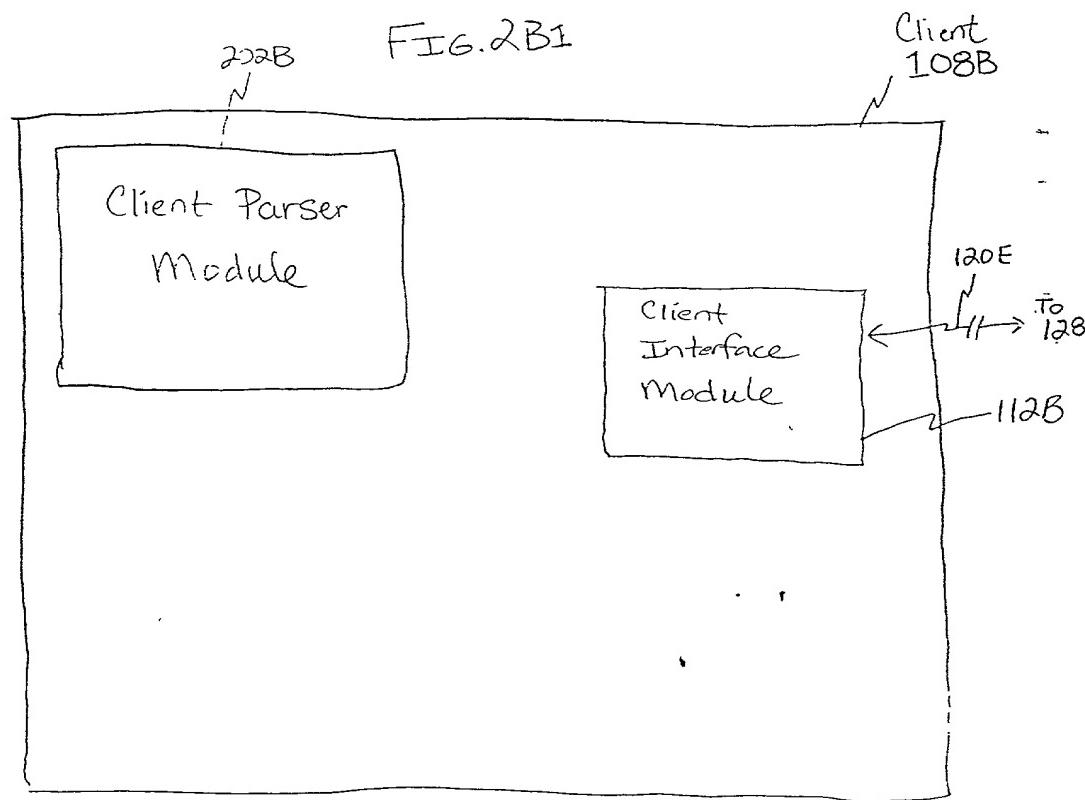
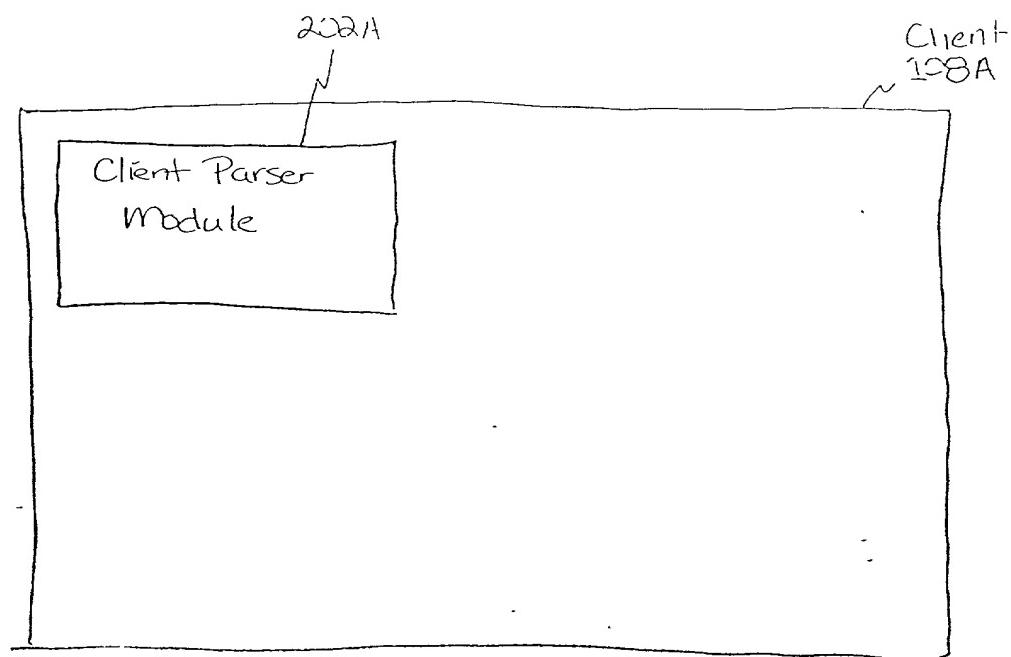


FIG. 2B2

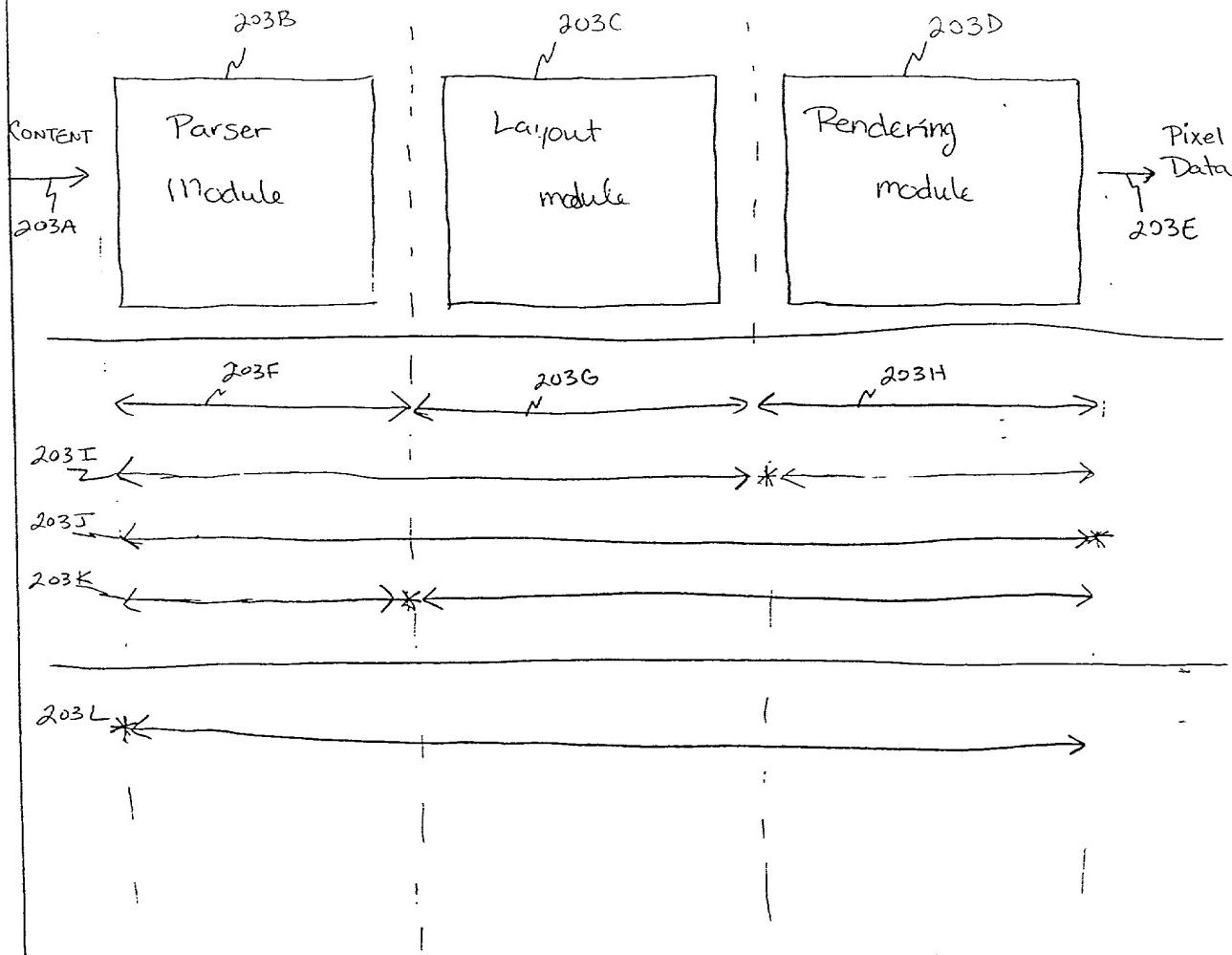


FIG. 2C

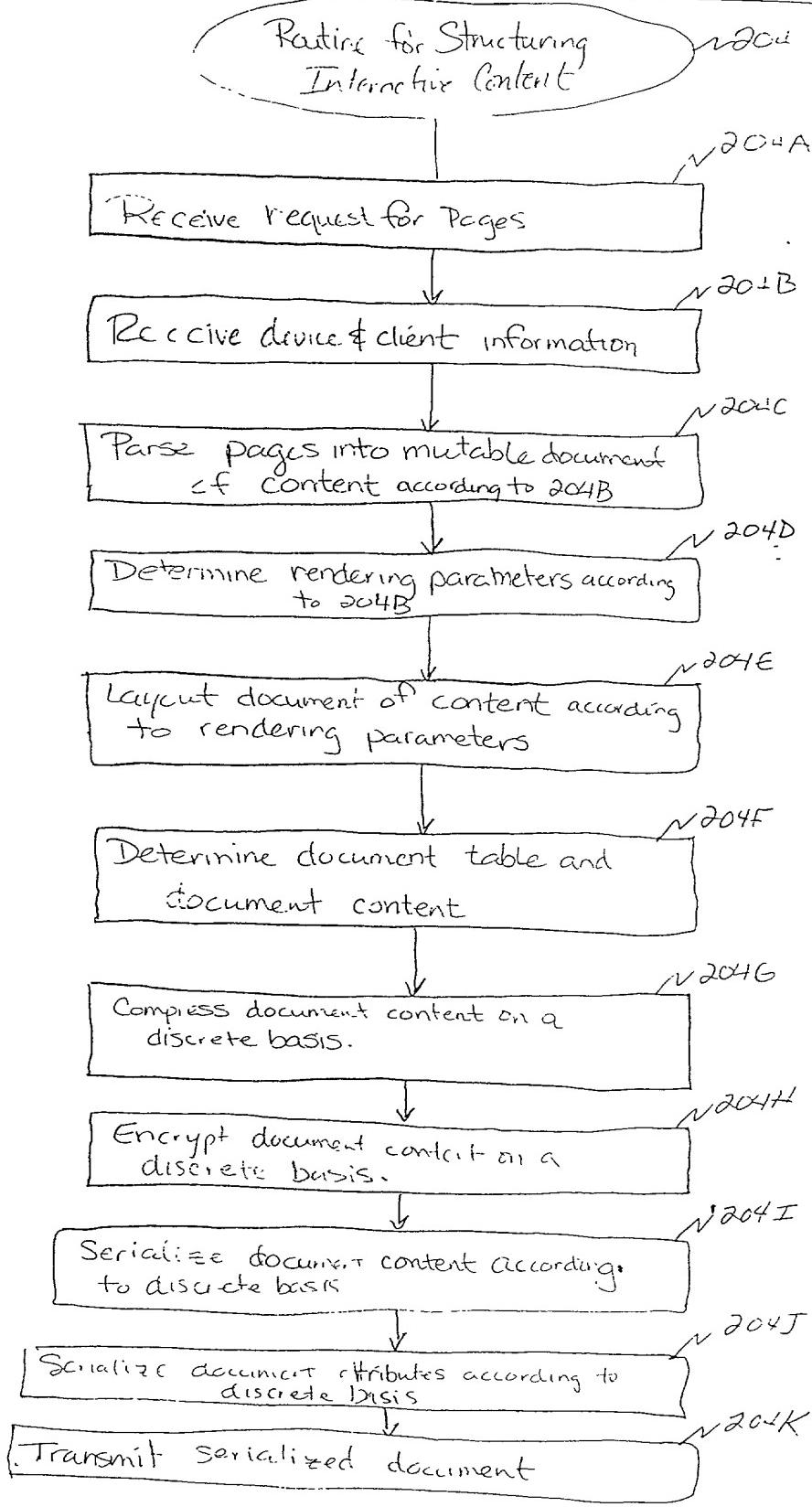


FIG. 2D1

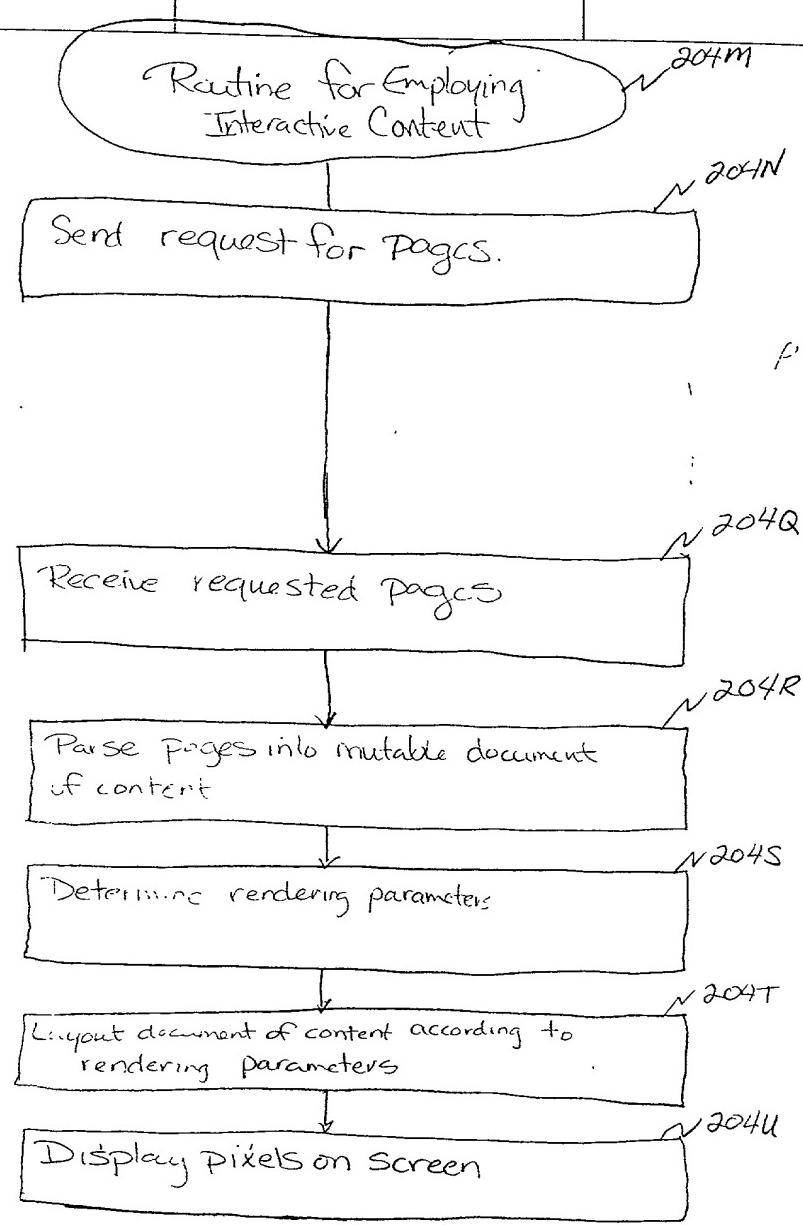


FIG. 2D2

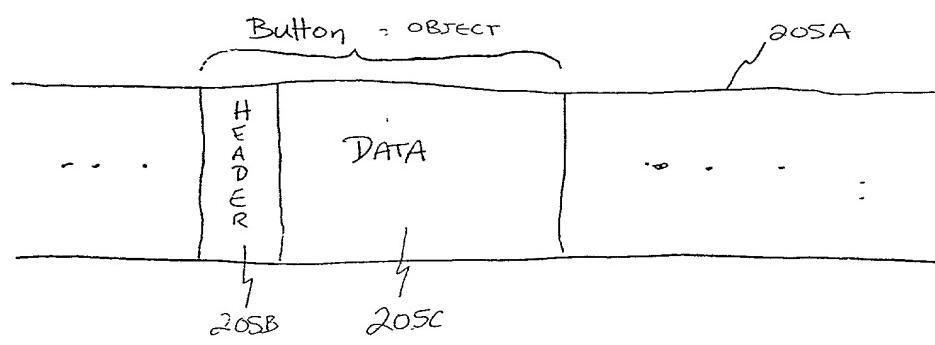


FIG. 2E

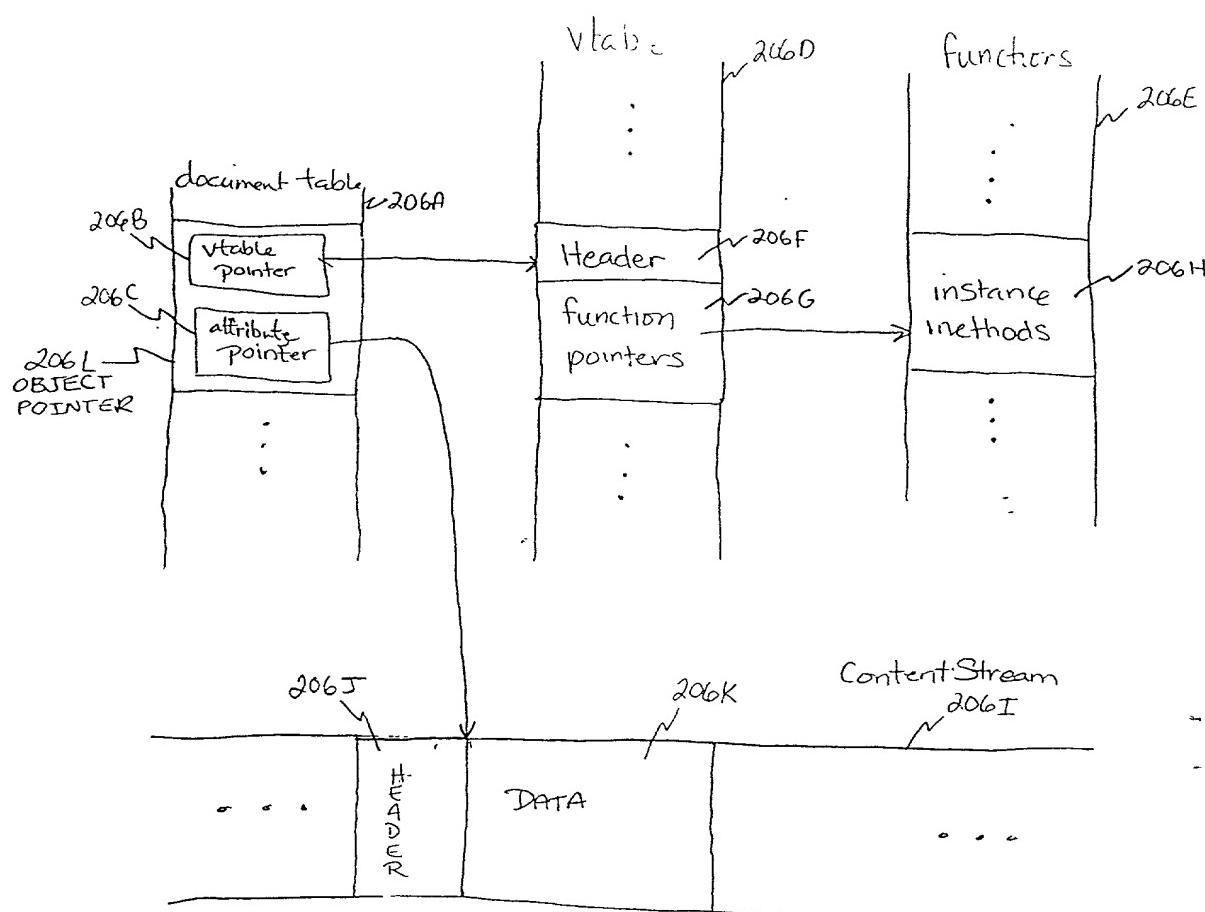


Fig. 2F1

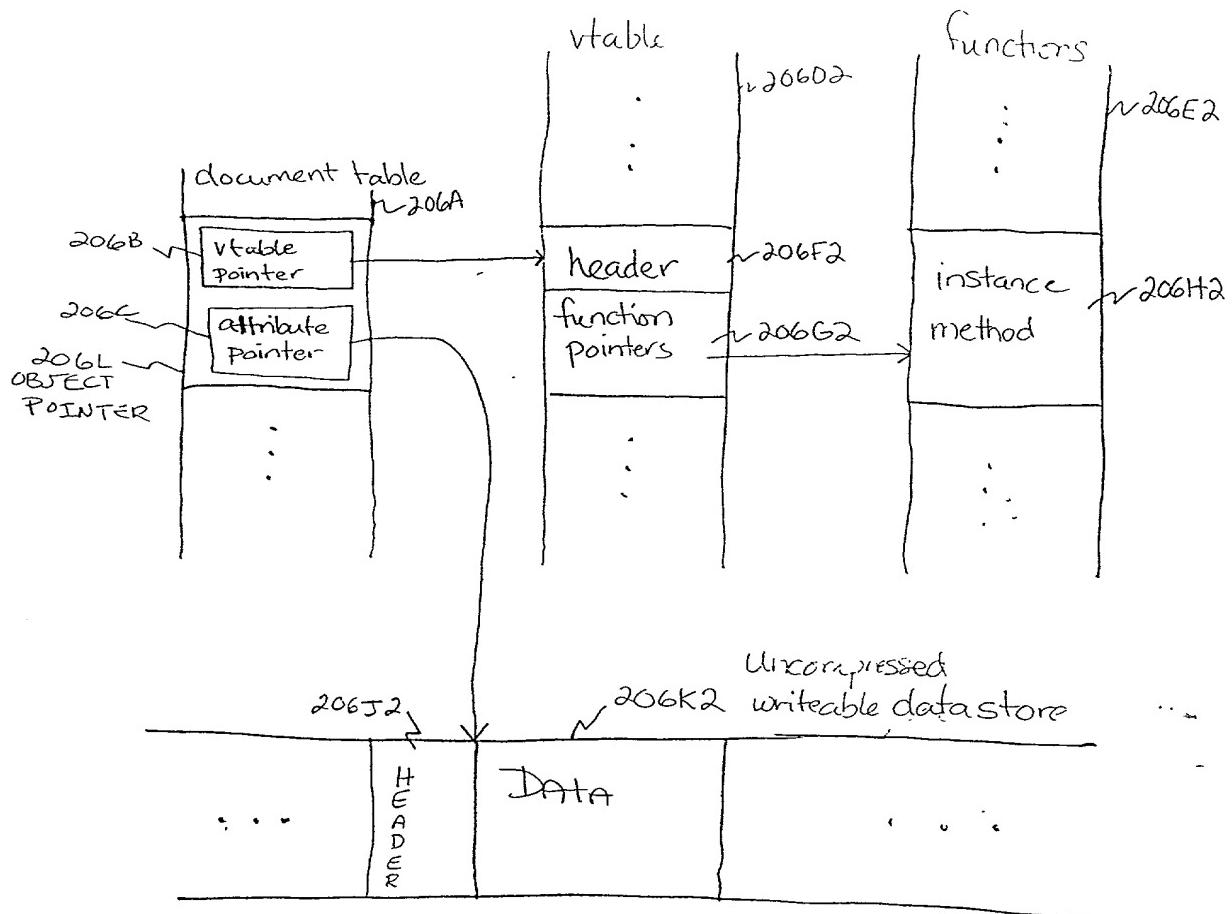


FIG. 2F2

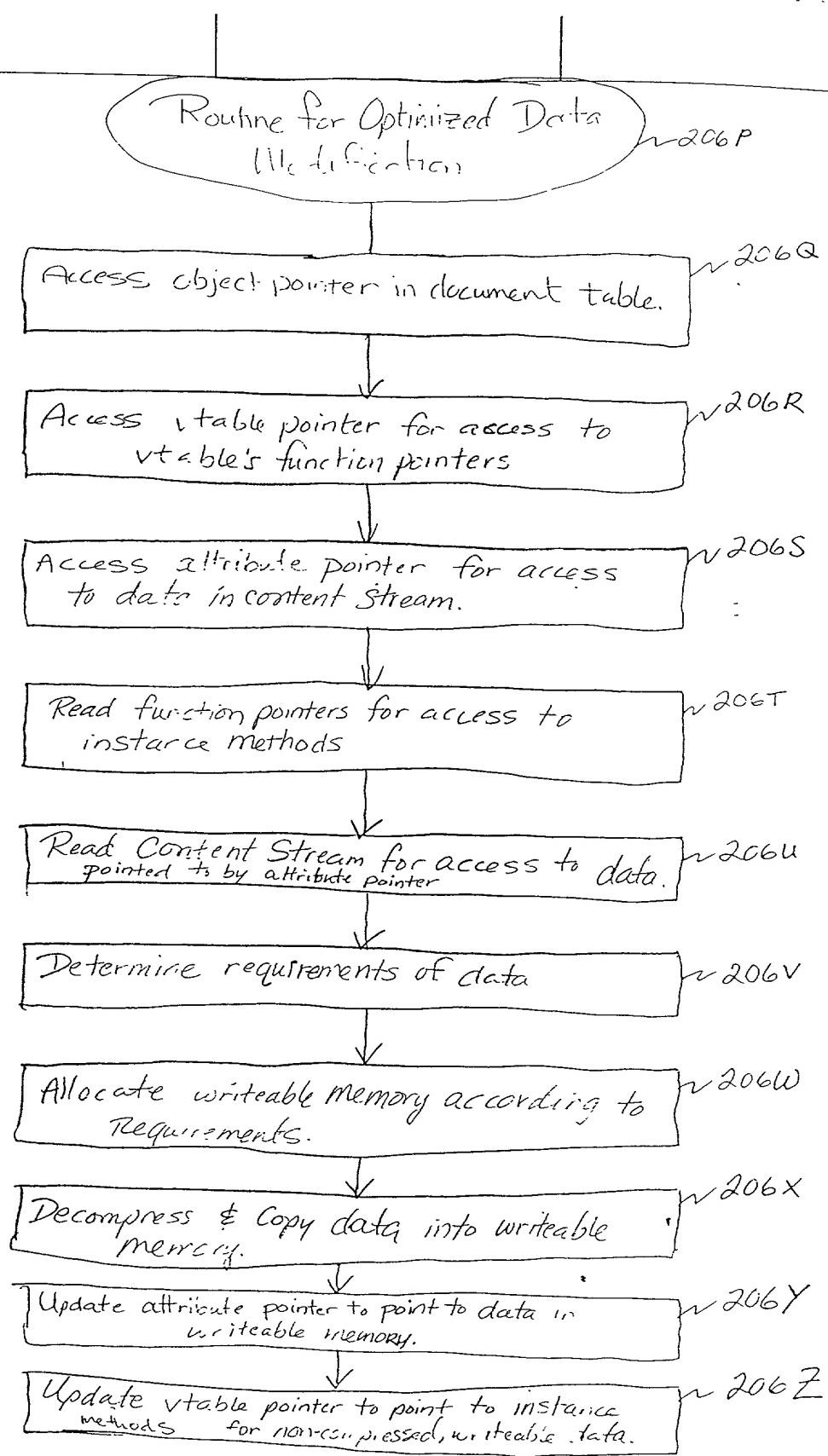
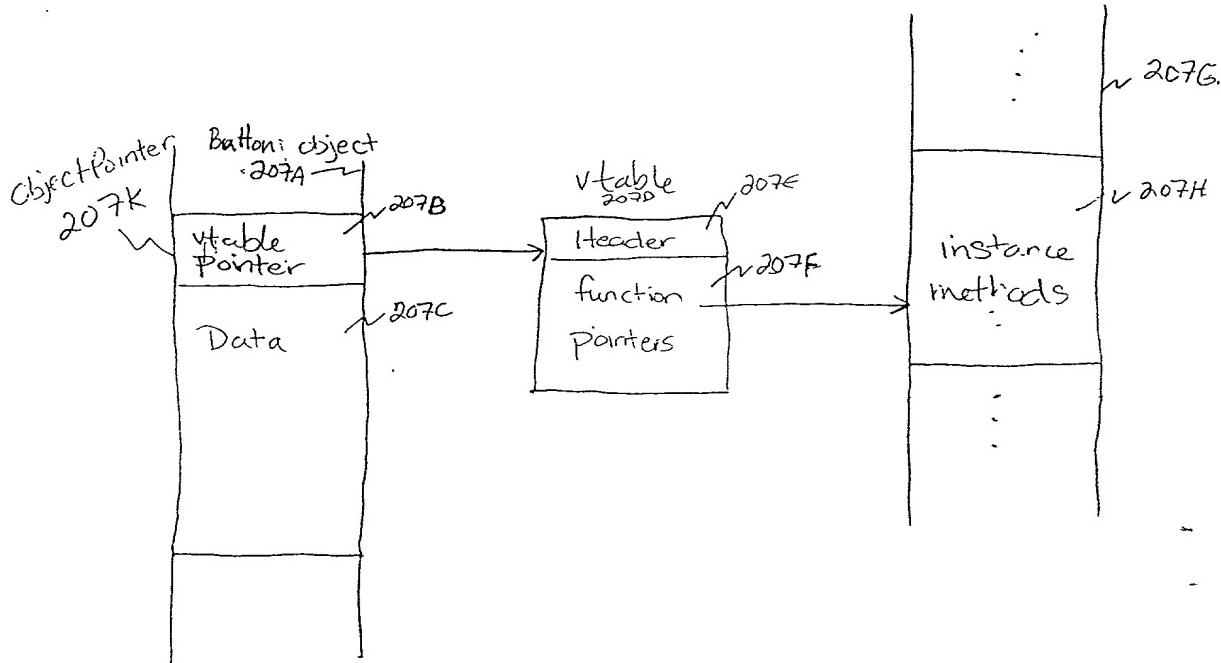


FIG. 2F3



RELATED ART
FIG 2G

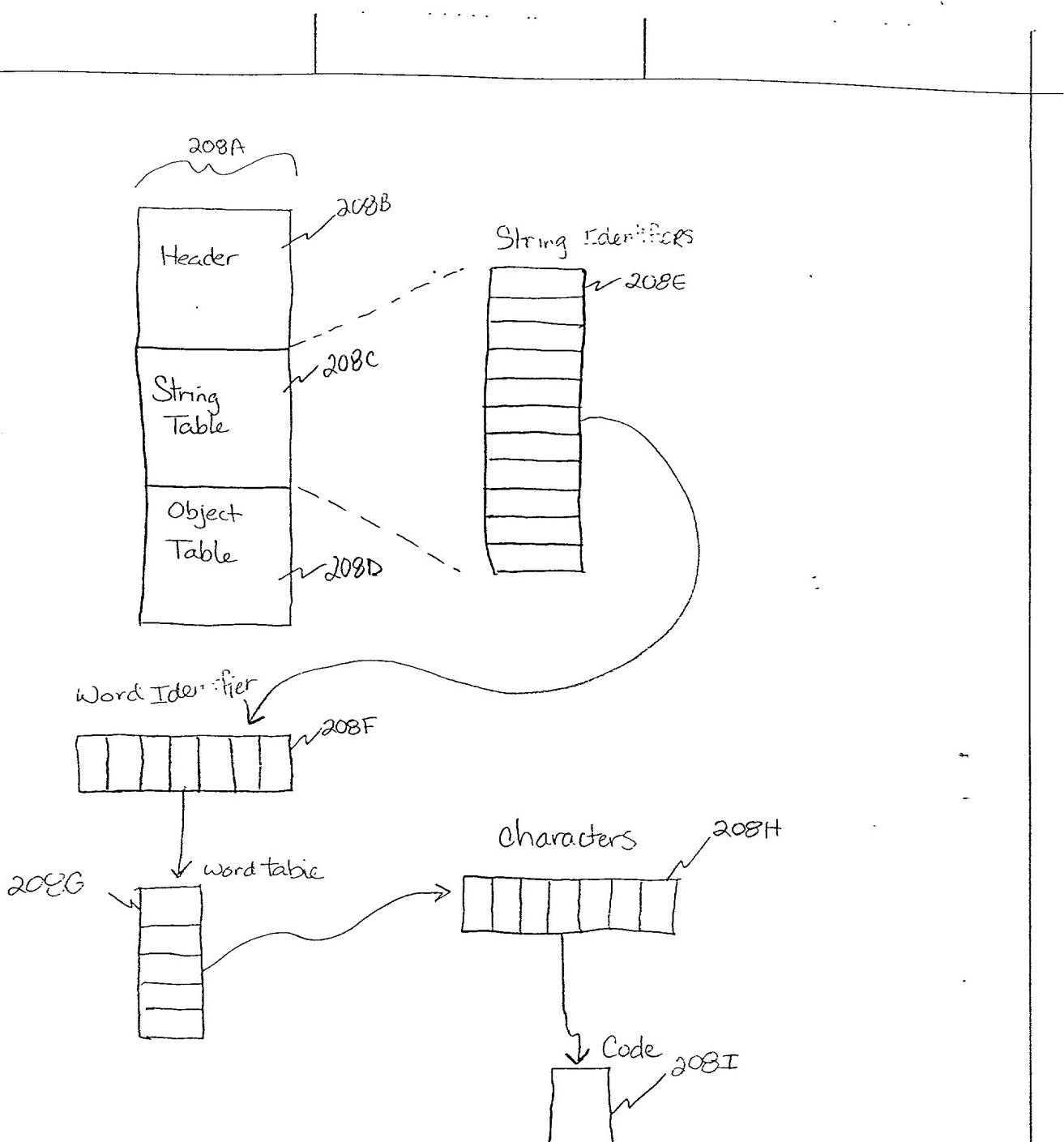


FIG. 24

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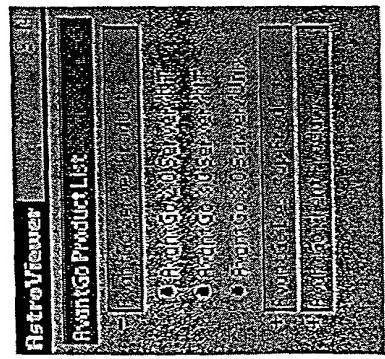


FIG 214

Space Shuttle
Flight STS-107
Launch Day: 16 Jan 2003
Return Day: 28 Jan 2003

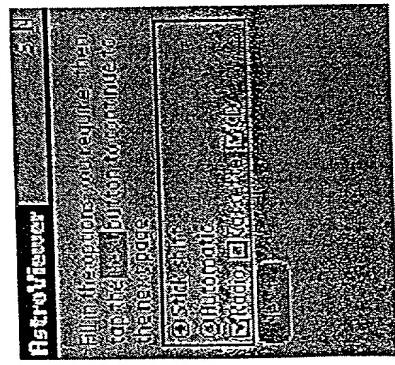


FIG. 212

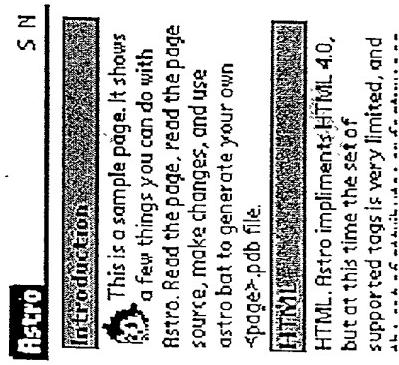


FIG. 2J

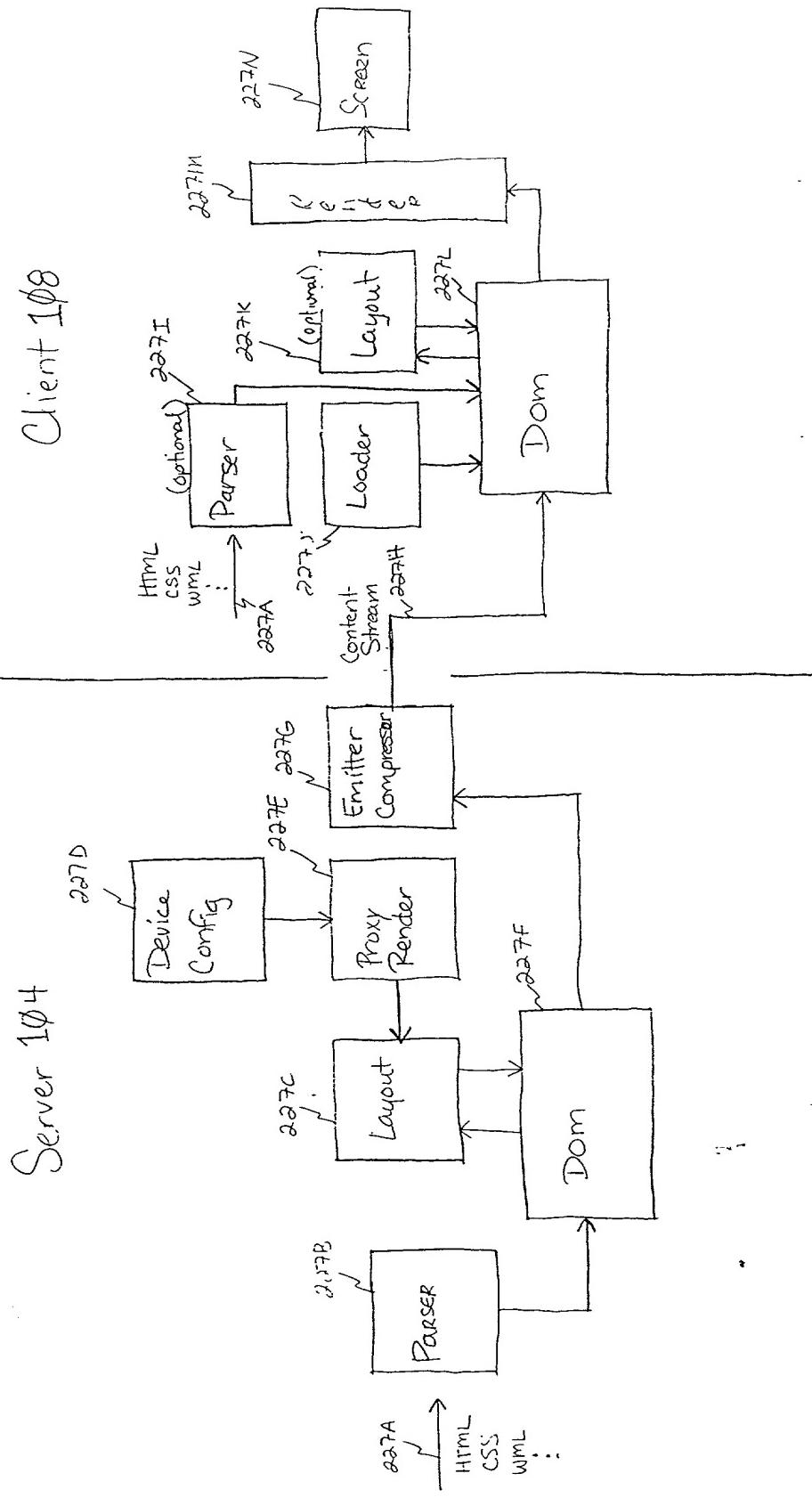


FIG. 2K

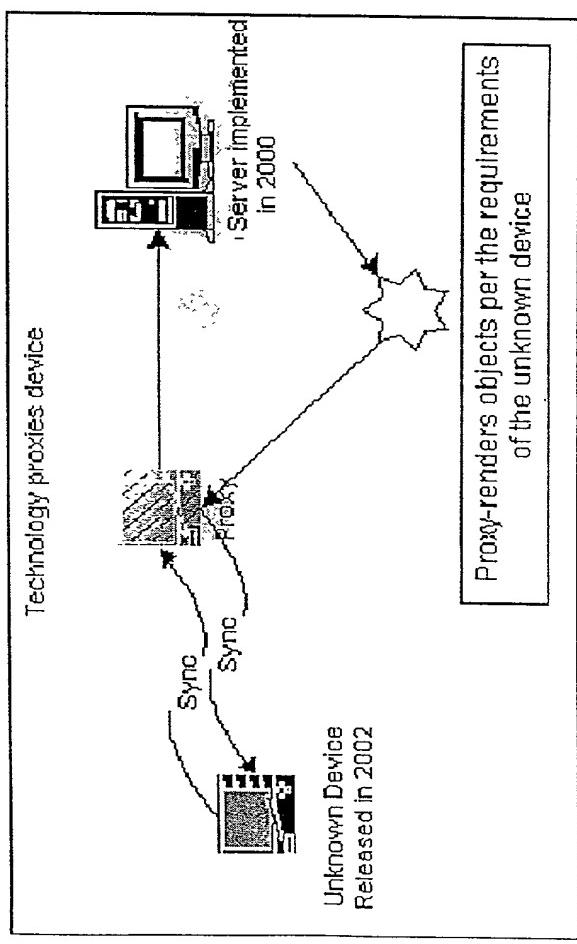


FIG. 2L

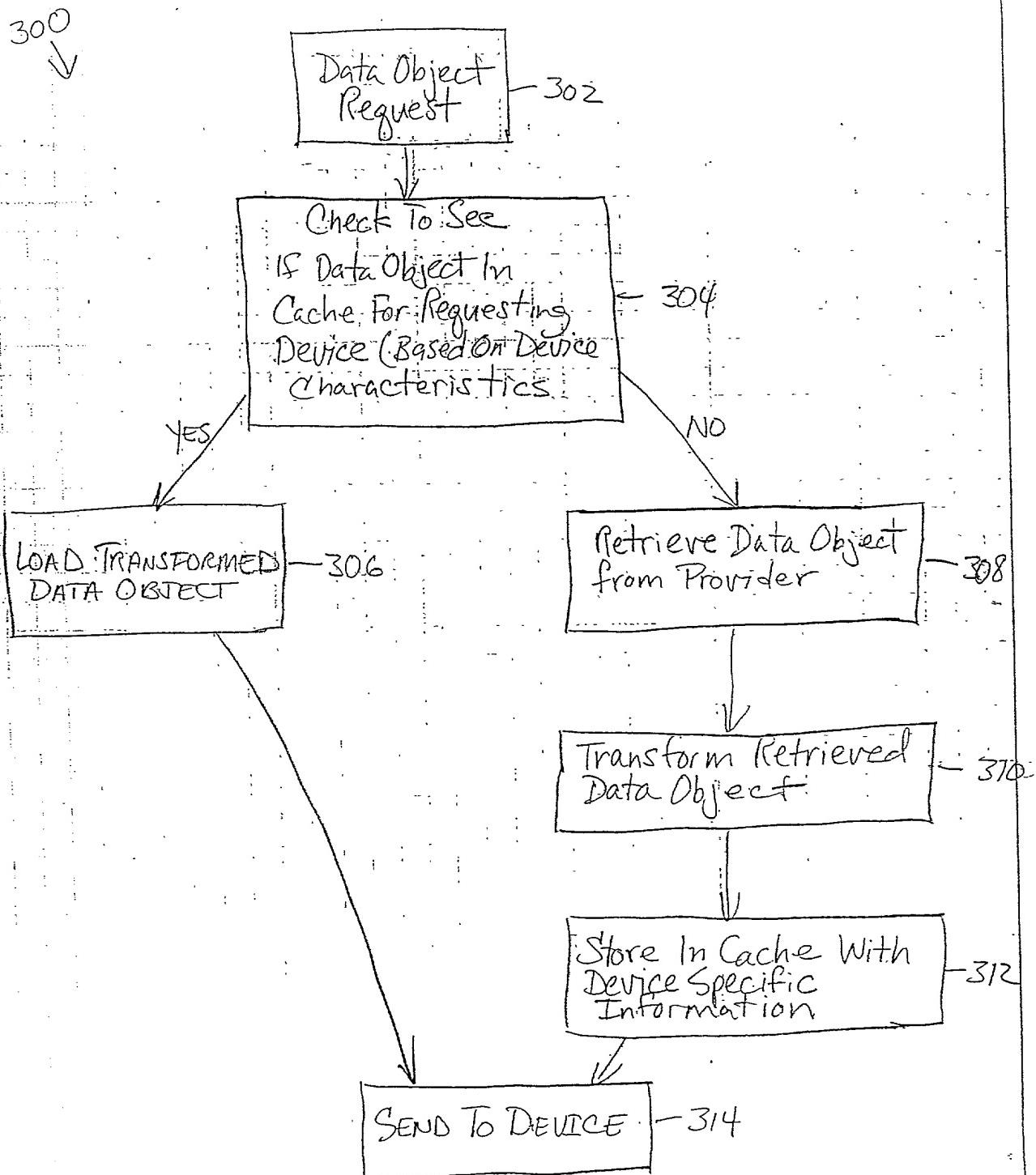


FIG. 3A

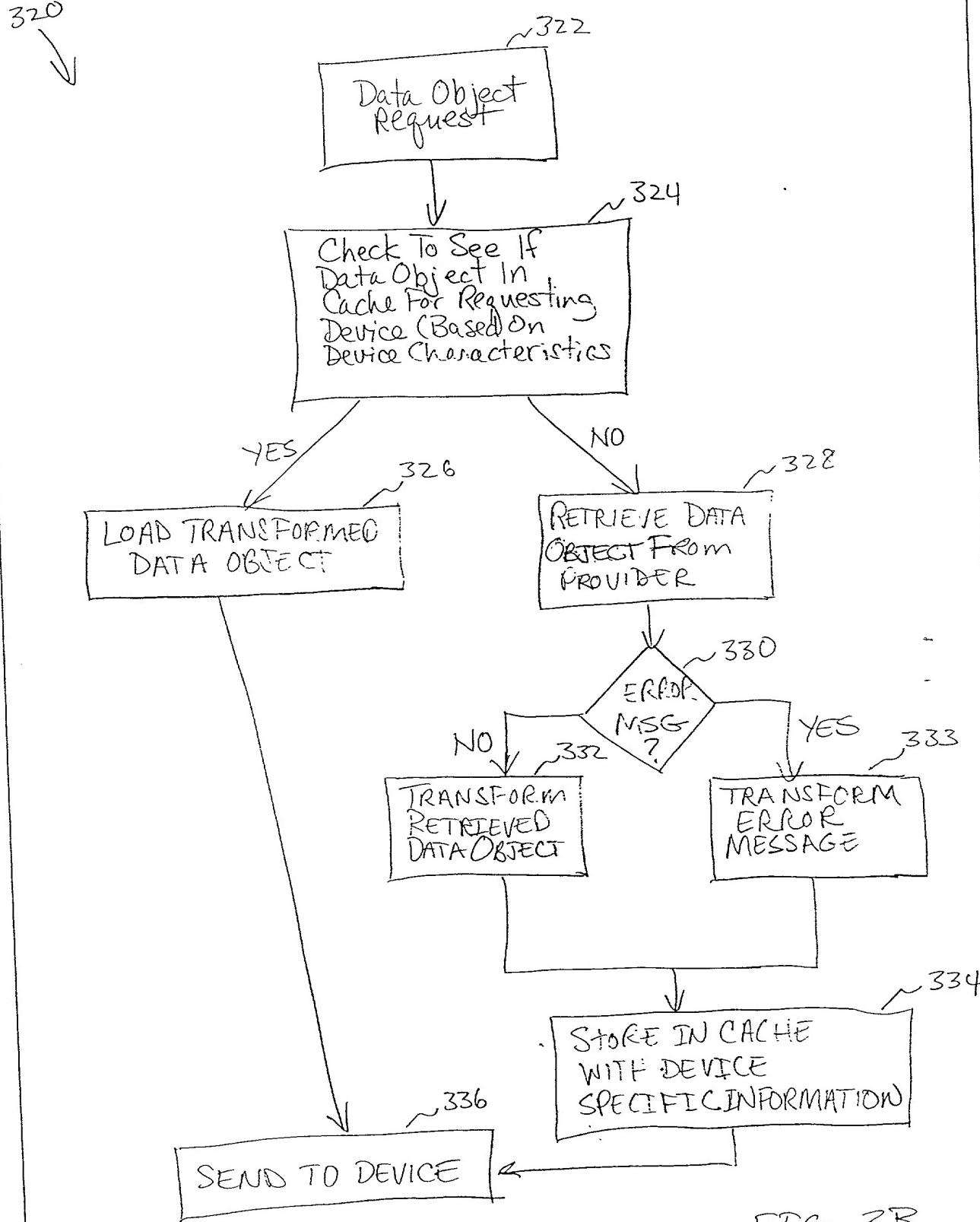
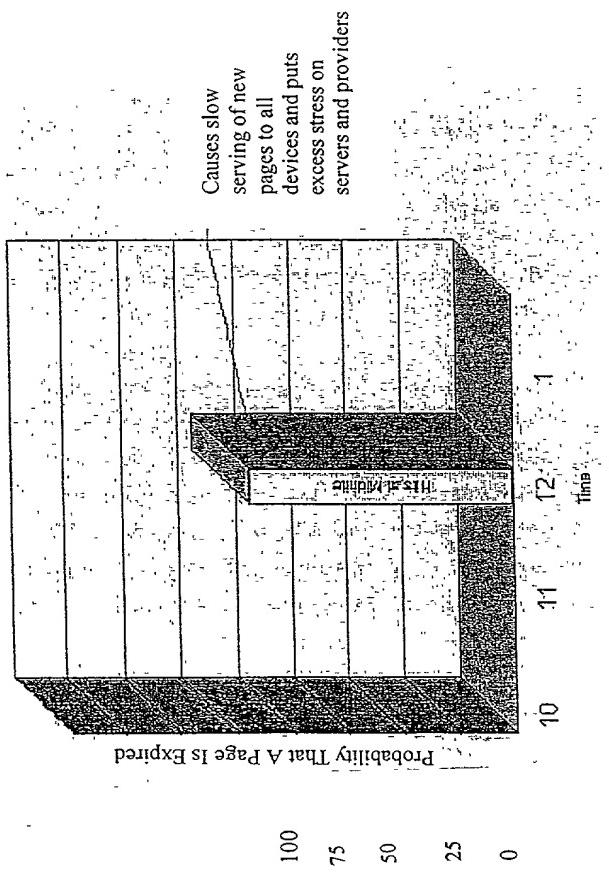


FIG. 3B

FIG. 3C



340

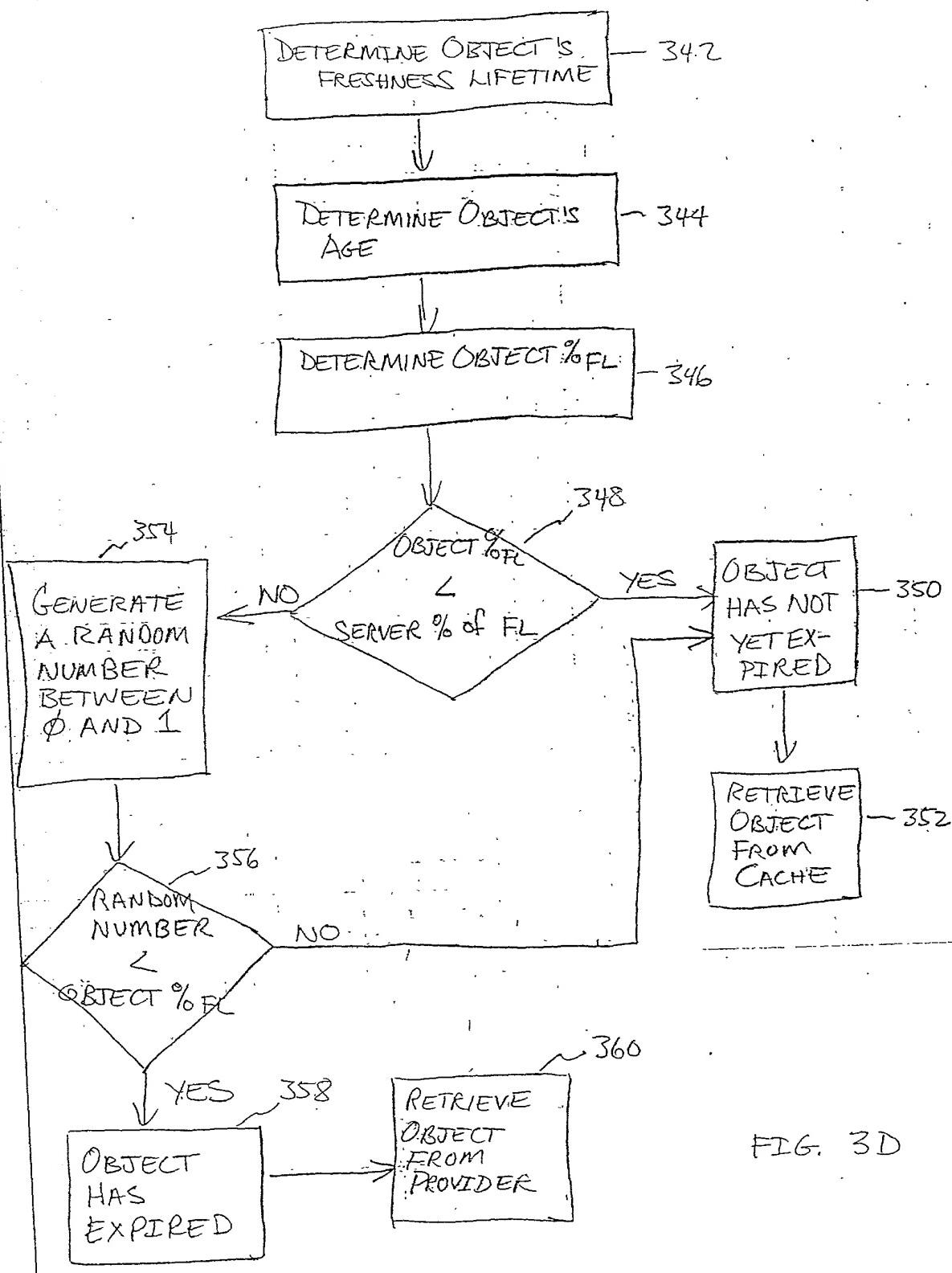


FIG. 3D

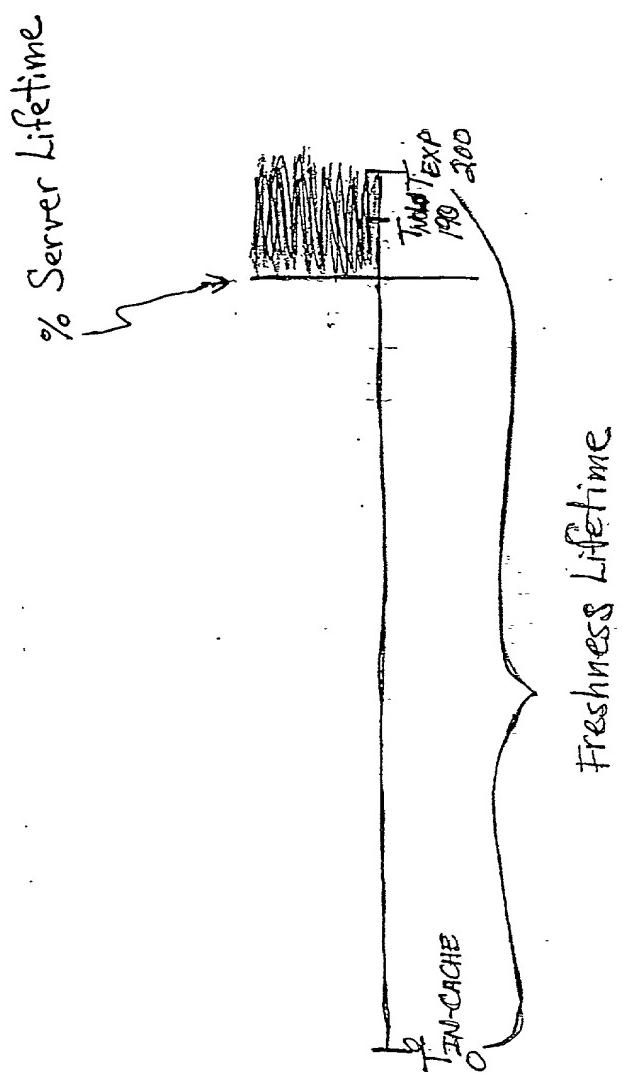


FIG. 3E

Y = $\frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{(x-\mu)^2}{2\sigma^2}}$
 where $\mu = \text{TTL}$, $\sigma = \text{SD}$, $x = \text{Freshness Lifetime}$

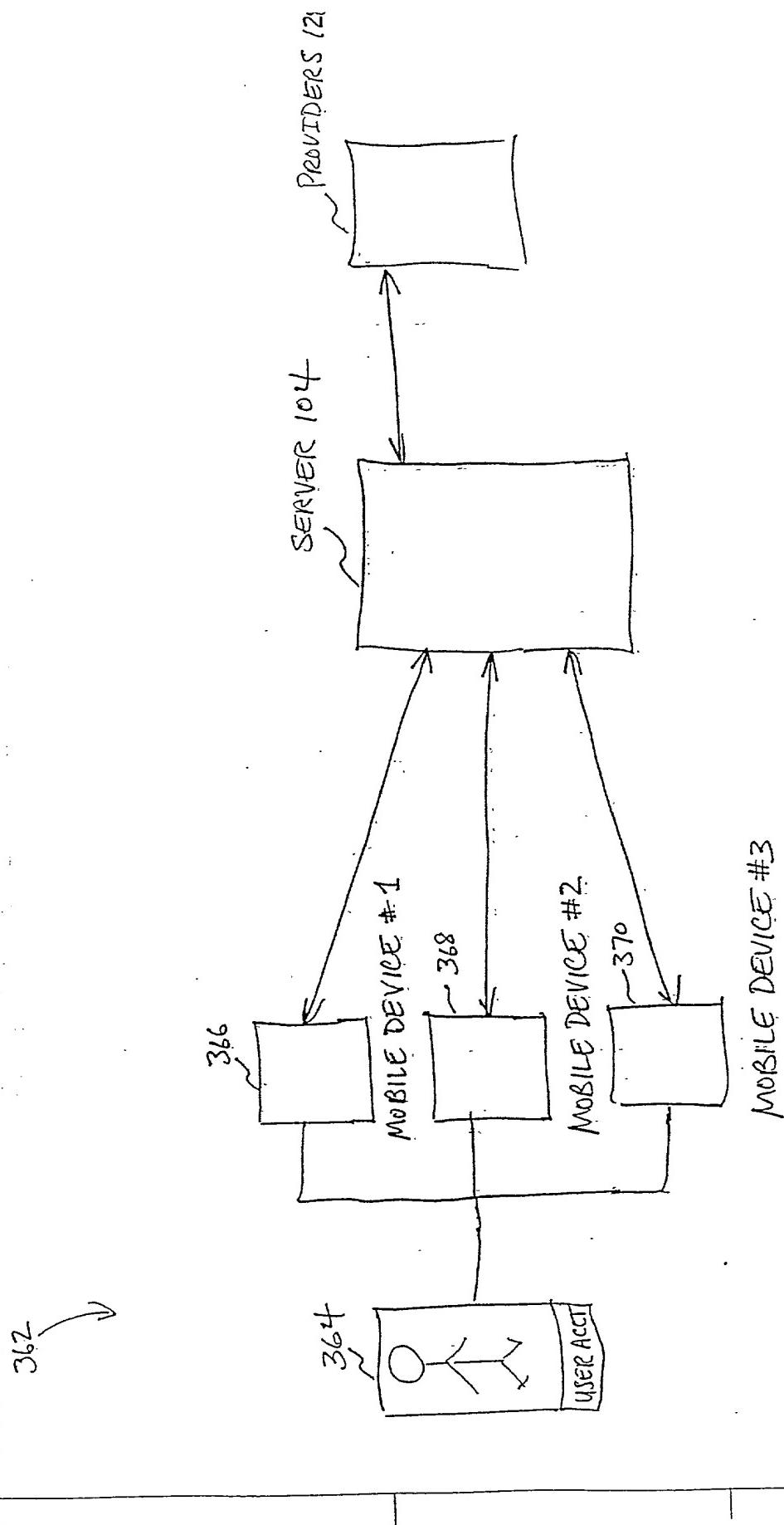
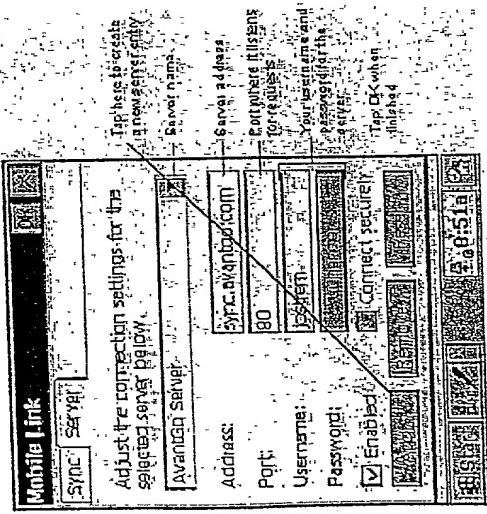


FIG. 3F

FIG. 3G



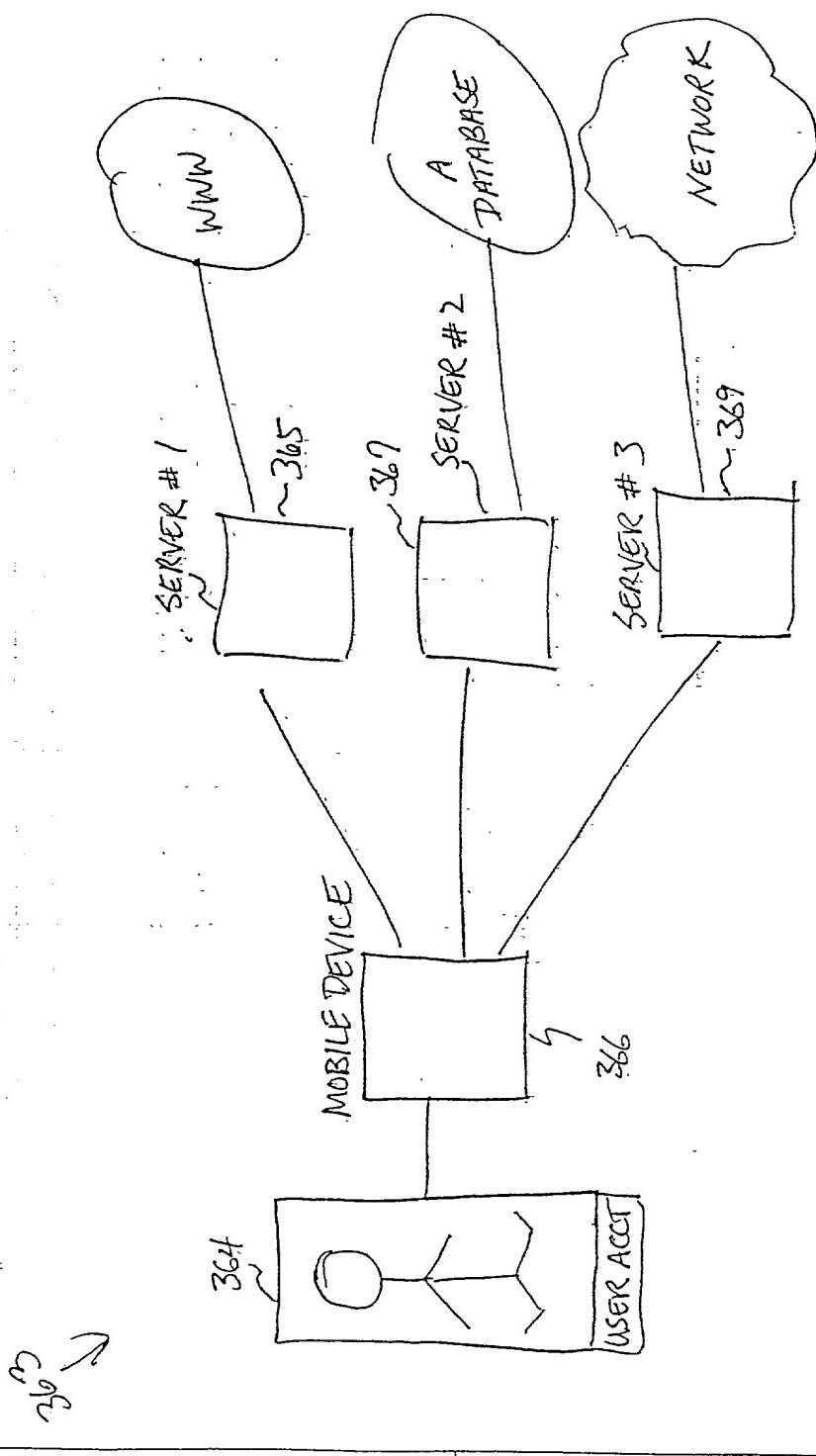


FIG. 3H

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V

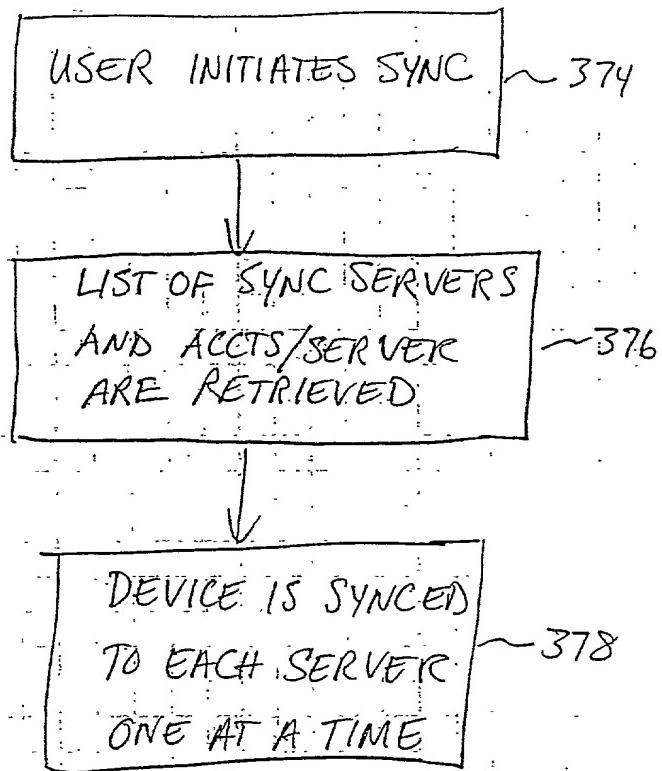


FIG. 3I

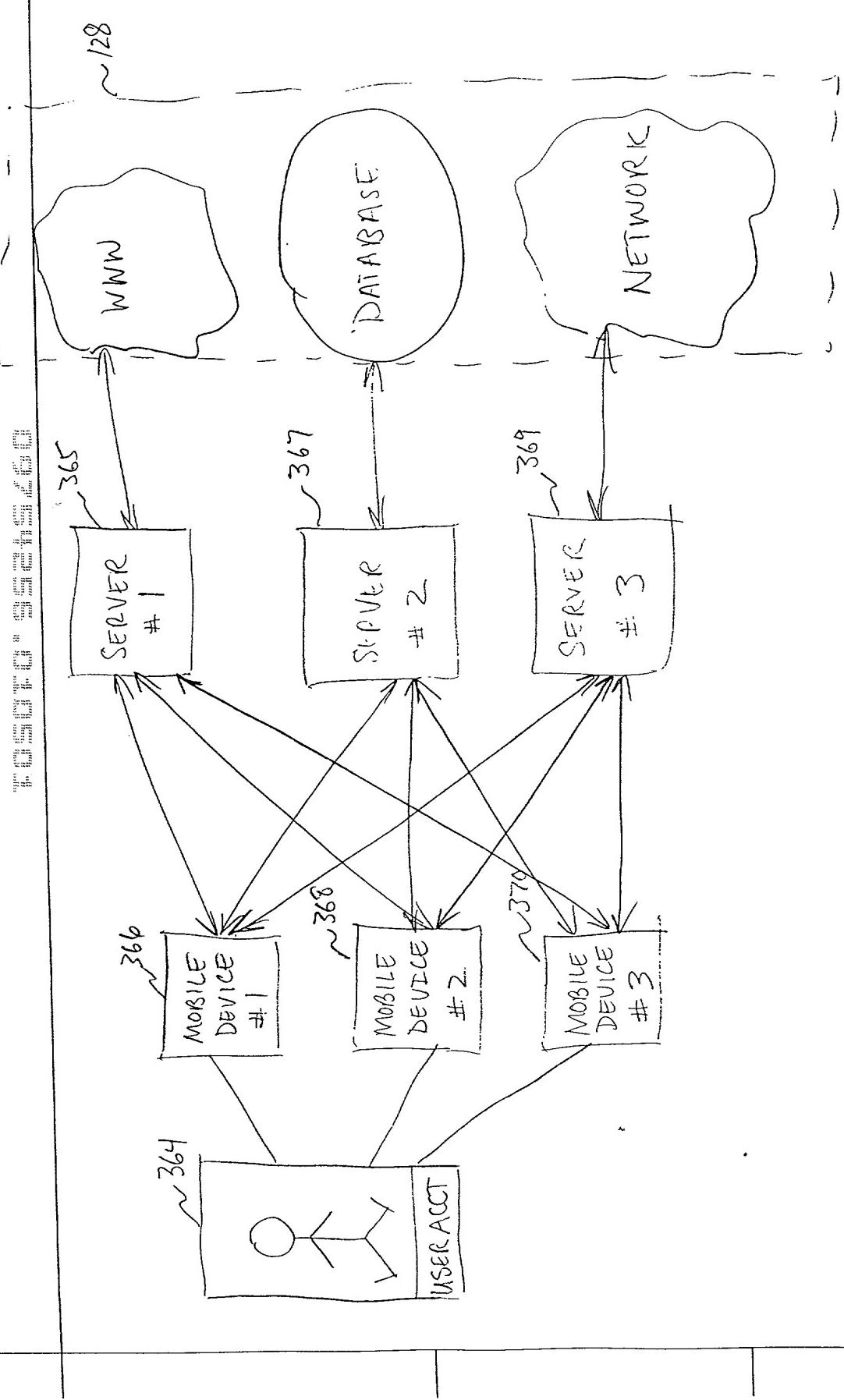


FIG. 3 J

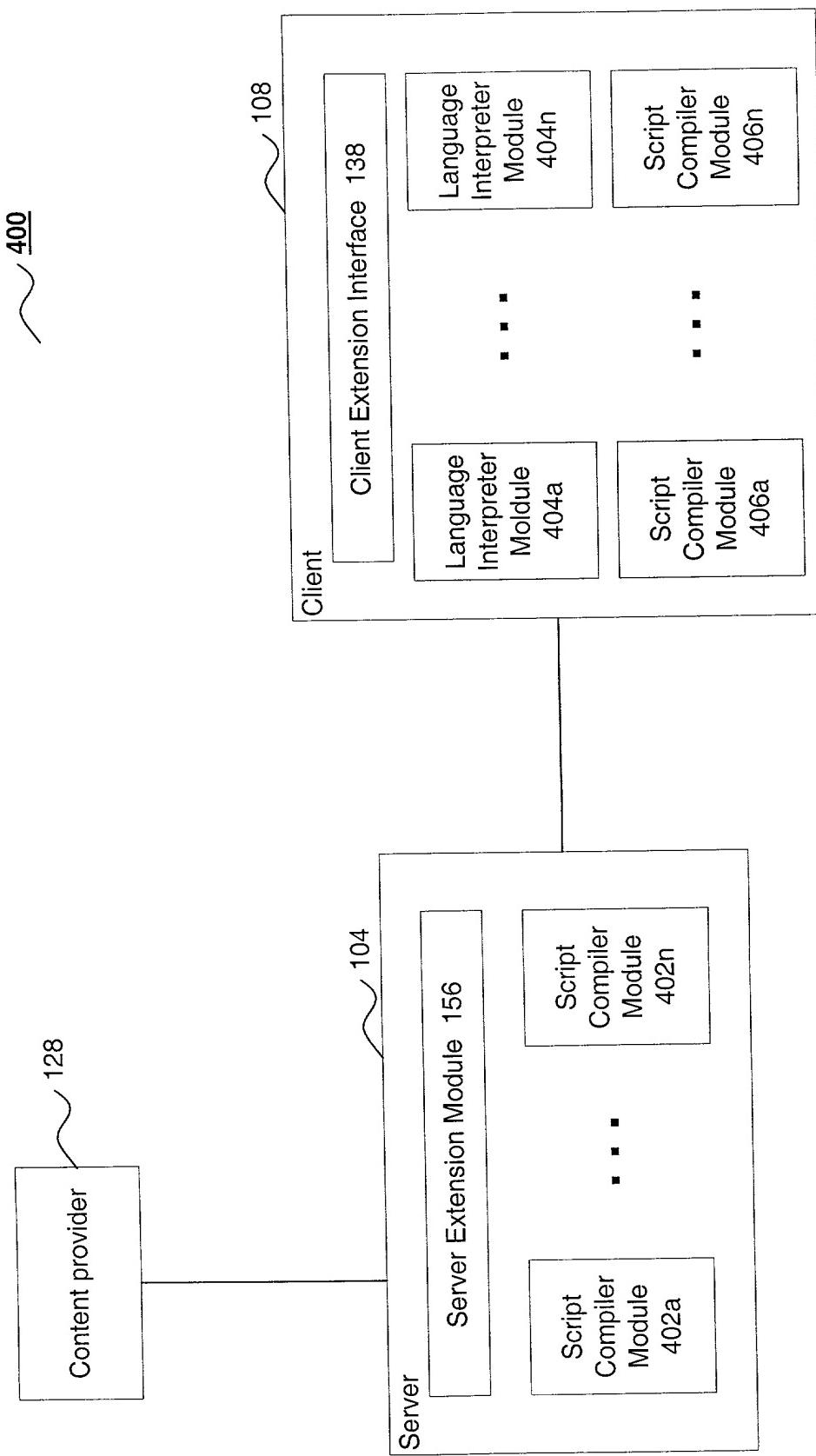
FIG. 4

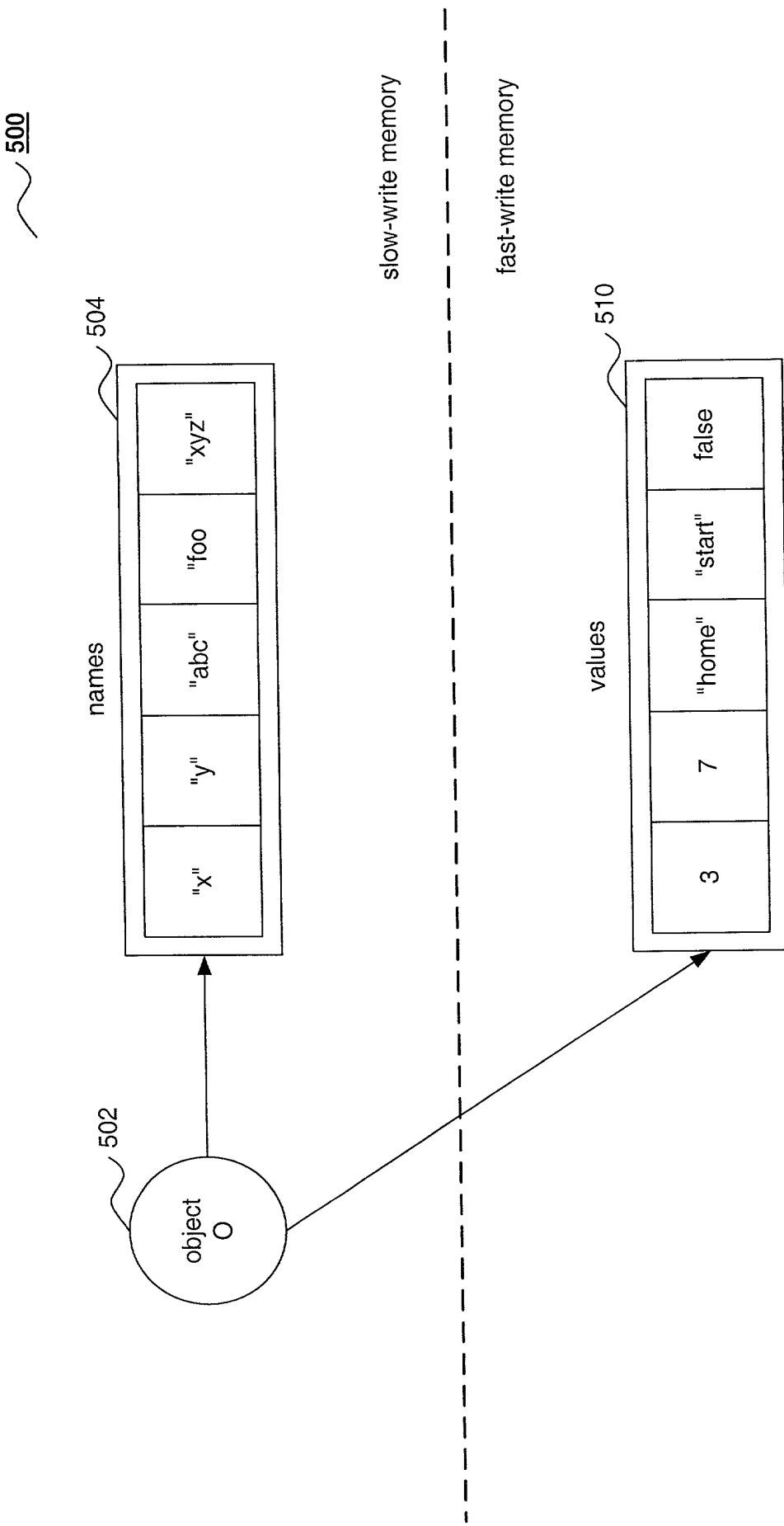
FIG. 5

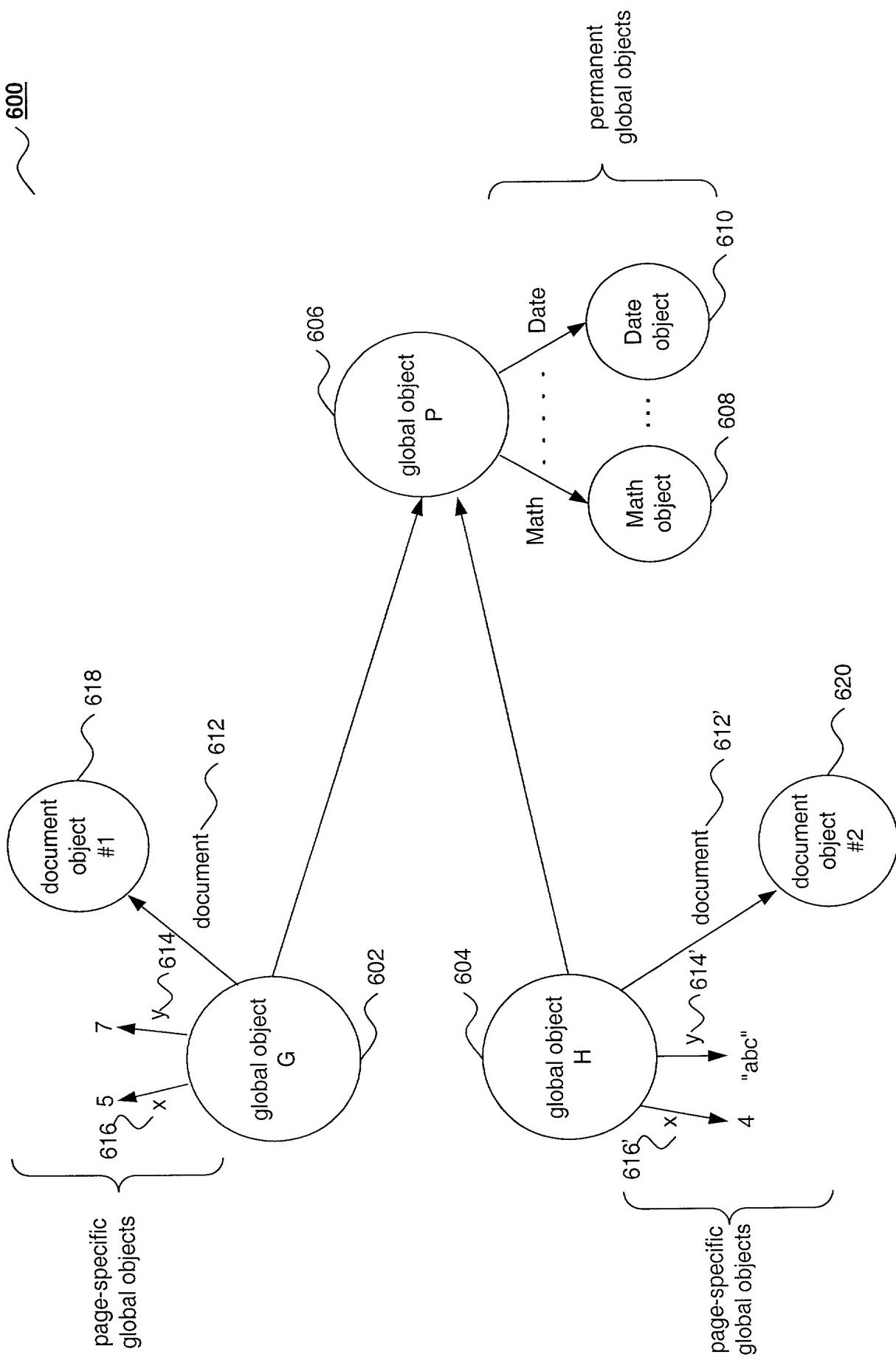
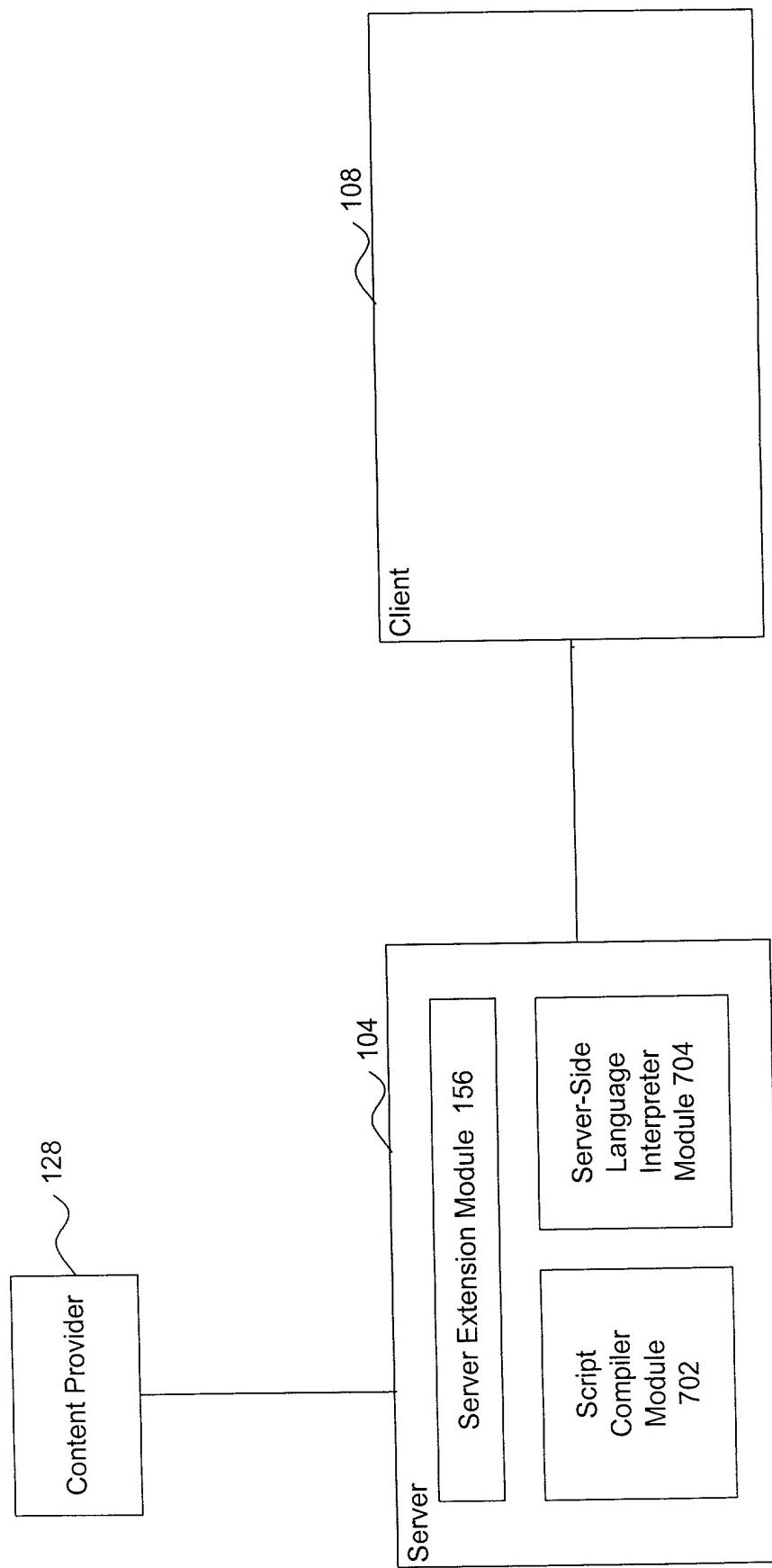
FIG. 6

FIG. 7



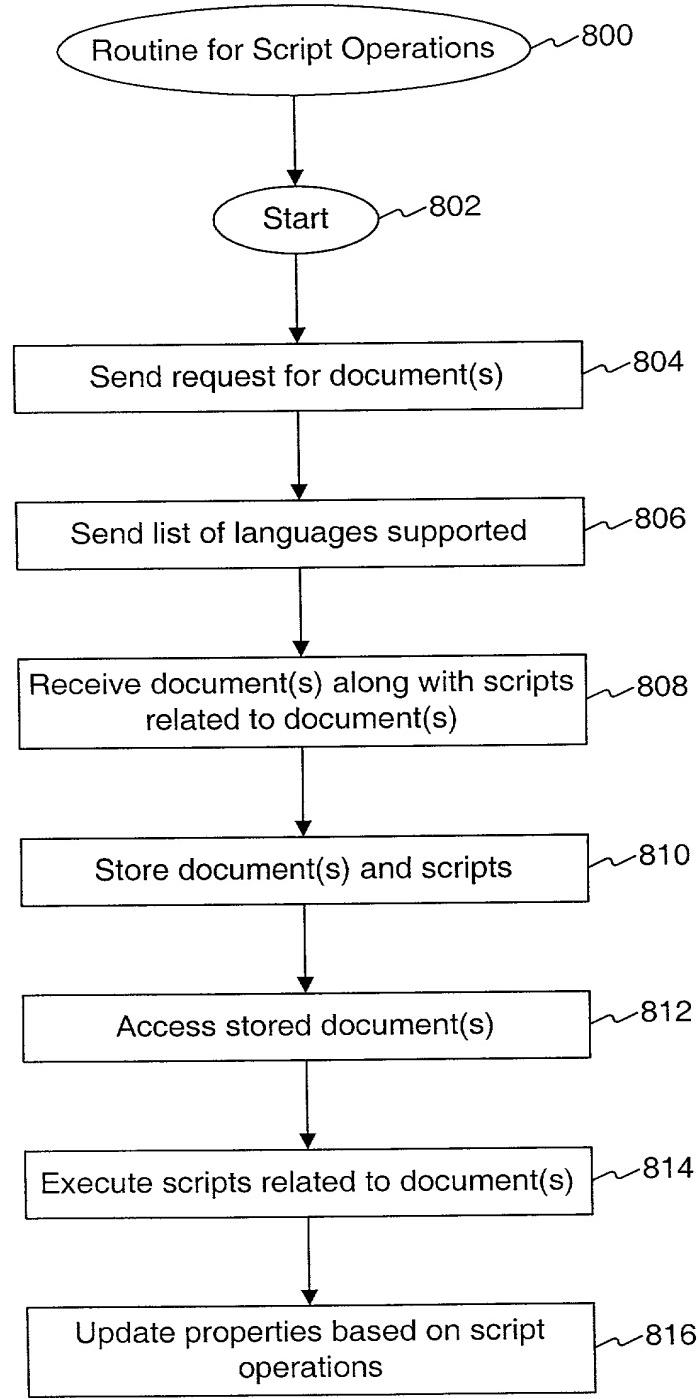


FIG. 8

814

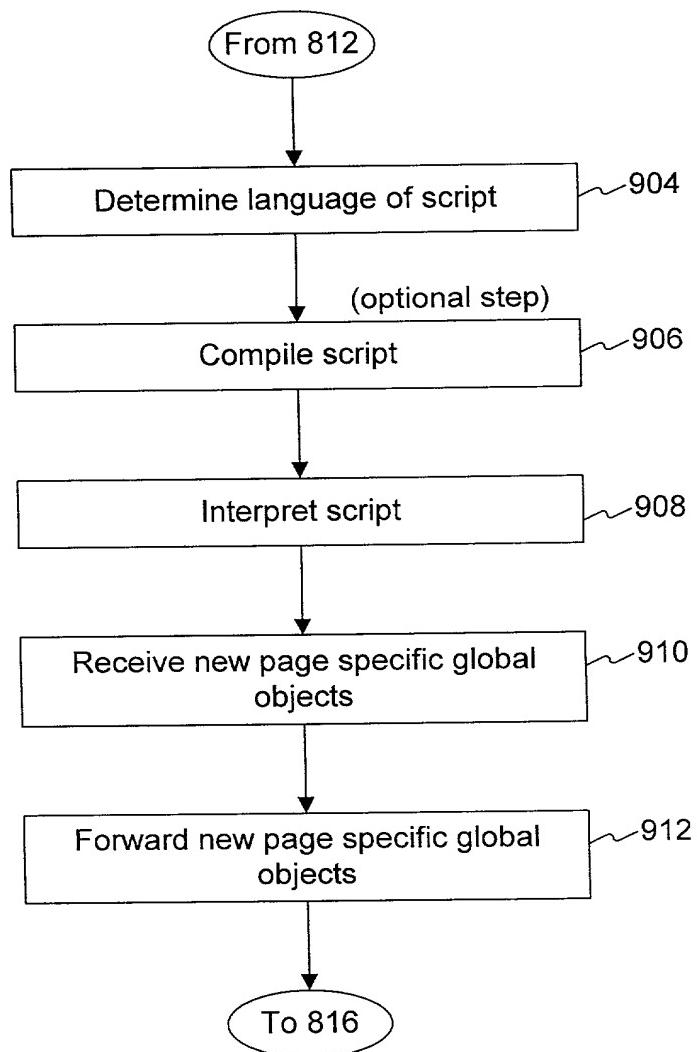


FIG. 9

816

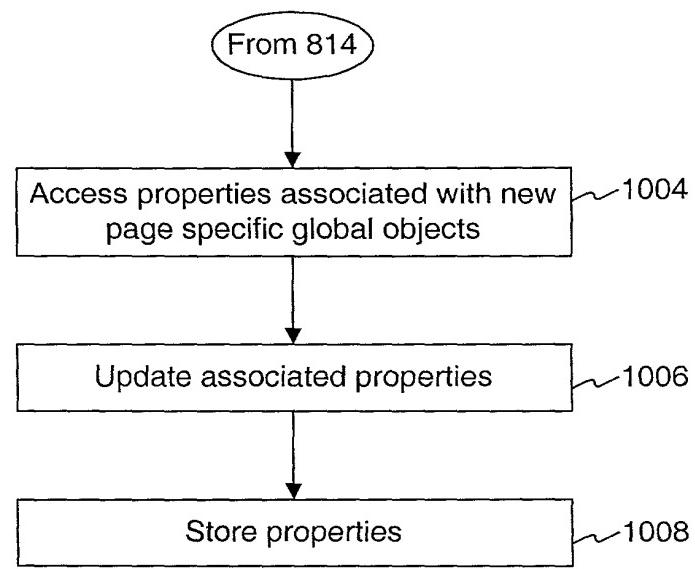


FIG. 10

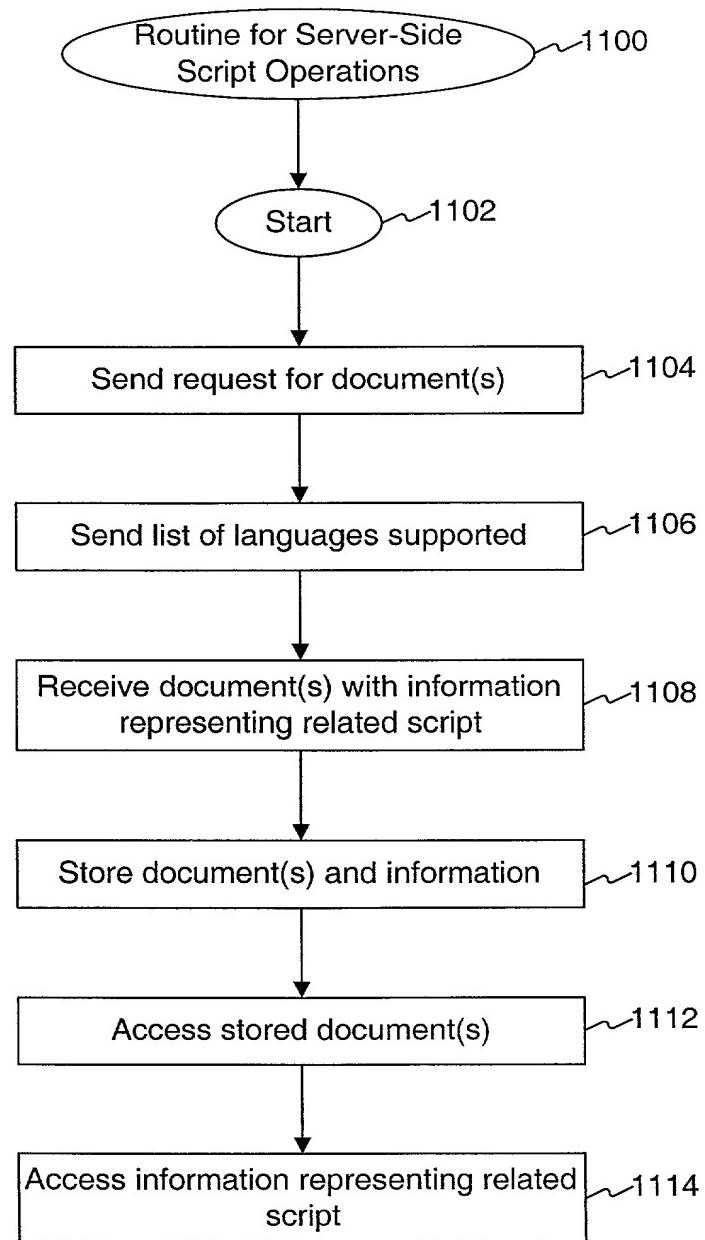


FIG. 11